MAYLAND COMMUNITY COLLEGE

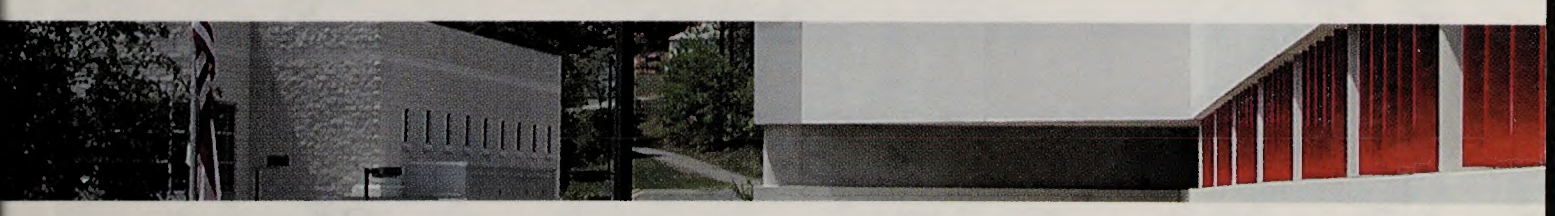
celebrating thirty years

of building futures

in the tri-county region

2002-2003 CATALOG

1971 – 2001



MAYLAND COMMUNITY COLLEGE

Announcement of Programs for 2001-2003

"EXCELLENCE WITHIN REACH"

MEMBER

American Association of Community Colleges
American Horticultural Therapy Association
Associated Landscape Contractors of America
Association for Childhood Education International
Association of Community College Business Officials
Association of Community College Facility Operations
Association of Community College Trustees
Automotive Service Association
Avery/Banner Elk Chamber of Commerce
Carolinas Association of Collegiate Registrars & Admissions Officers
Carolinas Chapter of American Horticultural Therapy Association
Chair Academy
Cleaning Management Institute
College and University Personnel Association
Correctional Education Association
Council Higher Education Accreditation
League for Innovation in Community Colleges
LERN (Learning Resources Network)
Mitchell County Chamber of Commerce
Mitchell-Yancey Partnership for Children
Mountain College Library Network
National Association for the Education of Young Children
National Association of College and University Business Officers
National Association of Student Financial Aid Administrators
North Carolina Association for the Education of Young Children
North Carolina Association of Colleges and Employers
North Carolina Association of Colleges and Universities
North Carolina Association of Community College Instructional Administrators
North Carolina Association of Community College Trustees
North Carolina Association of Coordinators of Veterans Affairs
North Carolina Association of Student Financial Aid Administrators, Inc.
North Carolina Chapter-College and University Personnel Association
North Carolina Citizens for Business & Industry
North Carolina Community College Adult Educators Association
North Carolina Community College Childhood Educators
North Carolina Community College Sociology and Psychology Association
North Carolina Community College Student Development Personnel Association
North Carolina Community College System
North Carolina Counseling Association
Southeastern Association of Educational Opportunity Program Personnel
Southern Association of Colleges and Schools
Southern Association of Community, Junior and Technical Colleges
Southern Association of Student Financial Aid Administrators
The College Board
University of Florida Research/Community College Business Officers
Yancey County Chamber of Commerce

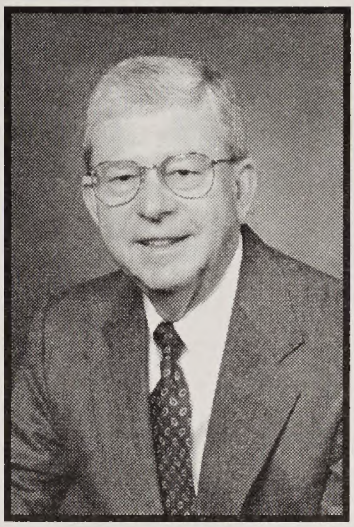
For additional information, contact

MAYLAND COMMUNITY COLLEGE
200 Mayland Drive, PO Box 547
Spruce Pine, NC 28777
(828) 765-7351 or 1-800-4-MAYLAND
www.mayland.cc.nc.us

An Affirmative Action/Equal Opportunity Institution

This Catalog contains a current description of Mayland Community College. It may be changed from time to time to carry out the purposes and objectives of the College. Important changes in fees, dates, programs and policies will be publicized to the student body and reflected in the next issue of the Catalog and the Catalog Addendum. It is not a contract.

MESSAGE FROM THE PRESIDENT



It has been said that life consists of growth and progress, and that progress depends on new ideas. Without them, we would still be riding in covered wagons and reading by the light of candles. The new century is one filled with new ideas, and the year 2001 is one of great significance. It was 100 years ago, in 1901, that the first community college was founded in Joliet, Illinois. That idea forever changed the face of higher education in America. And it was three decades ago, in 1971, when the North Carolina General Assembly responded to an idea born in the minds of citizens in Mitchell, Avery and Yancey counties to create Mayland Community College.

We began with eight students in a single class, *Principles of Banking*, held in the Board Room of the old Northwestern Bank building in Spruce Pine. This year, we will serve nearly 1,500 curriculum students in more than thirty fields of study, and another 7,000 through job training and skills upgrades, human resource development, avocational and basic skills classes. Whatever your destination, you will find within the pages of this catalog a road map that will help guide you toward your own personal success.

There is detailed information here on our many academic programs and fields of study. You will learn of the financial aid, counseling, job placement and other services available to support you on your journey and how to access them. College policies and procedures that will guide your studies are contained for your review, and you will even find out about graduation and earning academic honors. Keep this resource book handy and refer to it often.

Now entering its fourth decade, Mayland continues to be the primary portal in Mitchell, Avery and Yancey counties to higher education and employment for those who might otherwise not have access. Mayland began with an idea and a simple belief that affordable higher education is the key to continued economic prosperity and to extending its benefits to all sectors of our society. As the 21st Century begins, Mayland's commitment to a quality educational experience continues and grows, as does our role in providing training for thousands of others seeking to improve their skills for the new economy.

We hold in our hands the opportunity to change our society for the better, both individually and collectively. As students, parents, citizens, and leaders, the choices we make today will chart our nation's course for the new millenium. Let us choose well and dream big. Matthew Henson, an African-American polar explorer and aide to Commander Robert Peary, said ninety years ago, "The great things of the world, the great accomplishments of the world, have been achieved by men who had high ideas and who have received great visions. The path is not easy, the climbing is rugged and hard, but the glory of the vision at the end is worthwhile."

Sincerely,

Thomas E. Williams

Thomas E. Williams
President

N.C. DOCUMENTS CLEARINGHOUSE

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TABLE OF CONTENTS

Correspondence Directory 6
Affirmative Action/Equal Employment Opportunity Policy 8
College Calendar 9
History/College Mission/Goals/Values 11
General Information 13
Student Development Services 21
Academic Requirements 47
Instructional Support Services 59
Continuing Education 63
Curriculum Programs 73
- Accounting 76
- Associate in General Education 82
- Autobody Repair 84
- Basic Law Enforcement Training 87
- Business Administration 88
- Carpentry 91
- Associate in Cosmetology 93
- Cosmetology Instructor Training 96
- Esthetics Technology 97
- Manicuring Instructor Training 99
- Criminal Justice Technology 100
- Early Childhood Associate 102
- Electrical/Electronics Technology 106
- Electronics Engineering Technology 108
- General Occupational Technology 114
- Horticulture Technology 116
- Industrial Maintenance 120
- Information Systems 123
- Masonry 129
- Medical Office Administration 131
- Associate Degree Nursing 134
- Nursing Assistant 136
- Office Systems Technology 137
- Plumbing 143
- Truck Driving Training 145
- Welding Technology 146

Transfer Programs 151
- Associate in Arts 152
- Associate in Arts - Pre-Major, Birth to Kindergarten 156
- Associate in Arts - Pre-Business Administration 159
- Associate in Arts - Pre-Criminal Justice 162
- Associate in Arts - Pre-Elementary Education 164
- Associate in General Education - Business Administration Concentration: Marketing and Retailing 168
- Associate in General Education - Business Administration Concentration: Operations Management 170
- Associate in General Education - Forest Management Technology 172
- Associate in General Education - Physical Therapy Assistant 174
- Associate in Science 176

Course Descriptions 179
Personnel 263
Campus Map 276
Index 277

CORRESPONDENCE DIRECTORY

Inquiries concerning aspects of the College's operations and policies should be addressed to the officials listed below.

Mayland Community College
PO Box 547
200 Mayland Drive
Spruce Pine, NC 28777
(828) 765-7351/1-800-4-MAYLAND
(828) 765-0728 (fax)
Website: www.mayland.cc.nc.us

FOR INFORMATION ABOUT: **WRITE TO:**

Adult Basic Education Programs ..... Director, Basic Skills Program
- Adult Enrichment Program
- Adult Preparatory Program
- Basic Skills Program
- GED Program
- Learning Laboratory

Business Office ..... Vice President of Administrative Services
- Auxiliary Services
- Bookstore/Snackbar
- Parking Permits
- Payments/Refunds
- Payroll

Continuing Education ..... Vice President of Instructional Services
- Avery Campus, P.O. Box 94, Newland, NC 28657 *(828/ 733-5883)*
- Mitchell County, MCC Campus *(828/ 765-7351)*
- Small Business Center, MCC Campus *(828/ 765-7351)*
- Yancey Campus, Highway 19E, Burnsville, NC 28714 *(828/ 682-7315)*

Institutional Advancement ..... Director of Planning and Institutional Advancement
- Development and Fundraising
- Grantwriting
- Graphic Design
- MCC Foundation
- Marketing
- Planning and Research
- Public Relations
- Publications
- Website
- Video Production

Instructional Services ..... Vice President of Instructional Services

- Academic Policies & Procedures
- Curriculum Programs
- Curriculum Faculty

Learning Resources Center ..... Dean, Learning Resource Center/ Distance Education

- Appalachian Room
- Audio Visual Services
- Distance Education (RAVEN System)
- Interlibrary Loan
- Public Services

Management Information Services (MIS) ..... Director, MIS

Phillips-Gwaltney Child Development Center (CDC) ..... Director, CDC

(828) 765-1401

- Child Care Services

President's Office ..... President

- General Matters
- Personnel

Support Options for Achievement and Retention (S.O.A.R.) Program ..... Director of S.O.A.R. Program

- Assistance for Students with Disabilities
- Basic Skills Development
- College Transfer Assistance
- Counseling Services
- Cultural and Social Events
- Free Tutoring and Peer Advising
- Personal Development and Study Skills

Student Development Services ..... Vice President of Student Development Services

- Admissions and Registration
- Career Counseling
- College Transfer Counseling
- Counseling Services
- Data Collection and Reporting
- Employability Services
- Financial Aid
- Orientation
- Student Insurance
- Student Records
- Student Guidelines and Policies
- Student Organizations
- Transcript Assistance
- Transfer Assistance
- Placement Testing
- Veterans Affairs

AFFIRMATIVE ACTION/ EQUAL EMPLOYMENT OPPORTUNITY POLICY

It is the policy of Mayland Community College not to discriminate against any employee, applicant or student because of age, race, color, religion, sex, national origin, handicap/disability, exercise of rights guaranteed by the First Amendment to the Constitution of the United States, or sexual orientation to the extent such rights are recognized and/or protected under applicable federal or state laws, and to take affirmative action to ensure that applicants will be employed and personnel actions will be taken during employment commensurate with this policy. In furtherance of this policy, the College shall:

- Apply all policies, procedures and standards of the College as evenly as practicable;

- Ensure that resources are available to all without discrimination as prohibited in this policy;

- Recruit and employ faculty and staff at all levels and in all departments of the College without discrimination as prohibited in this policy in order to maintain standards of employment consistent with normative job requirements;

- Provide remuneration on the basis of equal pay for tasks involving equal skills, effort, responsibilities and performance under equal working conditions; and

- Extend to employees opportunities to equip themselves for advancement within the College without discrimination as prohibited in this policy to ensure that such advancement is based solely on individual performance and task requirements.

In addition to a commitment to equal employment opportunity, the College shall act affirmatively in actions in support of this policy. The affirmative action shall, at a minimum, support the goal of attaining a relationship of minorities and women in employment equal to their proportionate representation within the institution's service area for faculty, administrative, professional and non-exempt positions.

COLLEGE CALENDAR FOR 2001-2003

FALL SEMESTER 2001

Registration ..... Thursday, August 16
Last Day to Pay ..... Thursday, August 16
First Day of Classes ..... Monday, August 20
Drop/Add ..... August 20-24
Labor Day Holiday (College Closed) ..... Monday, September 3
End of Unconditional Withdrawal ..... Tuesday, September 25
Professional Development Day *(No Classes)* ..... Wednesday, October 3
Fall Break *(No Classes)* ..... Wednesday-Friday, October 3-5
End of Conditional Withdrawal ..... Tuesday, October 30
Advising/Early Spring Registration ..... Monday-Friday, November 5-9
Veteran's Day *(College Closed)* ..... Monday, November 12
Thanksgiving Holidays *(College Closed)* ..... Thurs., Fri., November 22, 23
Thursday Classes ..... Tuesday, December 11
Last Day of Classes – Friday Classes ..... Tuesday, December 18
Grades Due 9:00 a.m. ..... Thursday, December 20
Christmas Holidays *(College Closed)* ..... December 24-27
Staff Leave Days *(College Closed)* ..... December 28 & 31

SPRING SEMESTER 2002

New Year Holiday *(College Closed)* ..... Tuesday, January 1
Registration ..... Thursday, January 3
Last Day to Pay ..... Thursday, January 3
First Day of Classes ..... Monday, January 7
Drop/Add ..... January 7-11
End of Unconditional Withdrawal ..... Monday, February 11
Spring Break *(No Classes)* ..... March 4-8
End of Conditional Withdrawal ..... Wednesday, March 20
Professional Development Day *(No Classes)* ..... Thursday, March 28
Good Friday *(College Closed)* ..... Friday, March 29
Advising/Early Summer Registration ..... April 1-5
Thursday Classes ..... Monday, May 6
Last Day of Classes – Friday Classes ..... Tuesday, May 7
Grades Due 9:00 a.m. ..... Thursday, May 9
GED Graduation ..... Friday, May 10
Graduation ..... Saturday, May 11
Memorial Day Holiday *(College Closed)* ..... Monday, May 27
Planning Day ..... Wednesday, May 29

SUMMER SEMESTER 2002

Registration ..... Thursday, May 30
Last Day to Pay ..... Thursday, May 30
First Day of Classes ..... Monday, June 3
Drop/Add ..... June 3-5
End of Unconditional Withdrawal ..... Thursday, June 20
Summer Break *(No Classes)* ..... July 1-5
Fourth of July Holiday *(College Closed)* ..... Thursday, July 4
Advising /Early Fall Registration ..... July 15-19
End of Conditional Withdrawal ..... Tuesday, July 16
Last Day of Classes ..... Friday, August 2
Grades Due 9:00 a.m. ..... Tuesday, August 6

FALL SEMESTER 2002

Registration ..... Thursday, August 15
Last Day to Pay ..... Thursday, August 15
First Day of Classes ..... Monday, August 19
Drop/Add ..... August 19-23
Labor Day Holiday (*College Closed*) ..... Monday, September 2
End of Unconditional Withdrawal ..... Tuesday, September 24
Professional Development Day ..... Monday, Tuesday, October 14, 15
Fall Break (*No Classes*) ..... Monday-Wednesday, October 14-16
End of Conditional Withdrawal ..... Tuesday, October 29
Advising/Early Spring Registration ..... November 4-8
Veteran's Day (*College Closed*) ..... Monday, November 11
Thanksgiving Holidays (*College Closed*) ..... Thurs., Fri., November 28, 29
Last Day of Classes – Monday Classes ..... Tuesday, December 17
Grades Due 9:00 a.m. ..... Thursday, December 19
Staff Leave Day (*College Closed*) ..... December 23
Christmas Holidays (*College Closed*) ..... December 24-27

SPRING SEMESTER 2003

New Year Holiday (*College Closed*) ..... Wednesday, January 1
Registration ..... Thursday, January 2
Last Day to Pay ..... Thursday, January 2
First Day of Classes ..... Monday, January 6
Drop/Add ..... January 6-10
End of Unconditional Withdrawal ..... Wednesday, February 12
Spring Break (*No Classes*) ..... March 3-7
End of Conditional Withdrawal ..... Wednesday, March 19
Advising/Early Summer Registration ..... March 31-April 4
Professional Development Day (*No Classes*) ..... Thursday, April 17
Good Friday (*College Closed*) ..... Friday, April 18
Friday Classes ..... Monday, May 5
Last Day of Classes – Thursday Classes ..... Tuesday, May 6
Grades Due 9:00 a.m. ..... Thursday, May 8
GED Graduation ..... Friday, May 9
Graduation ..... Saturday, May 10
Memorial Day Holiday (*College Closed*) ..... Monday, May 26
Planning Day ..... Wednesday, May 28

SUMMER SEMESTER 2003

Registration ..... Thursday, May 29
Last Day to Pay ..... Thursday, May 29
First Day of Classes ..... Monday, June 2
Drop/Add ..... June 2-4
End of Unconditional Withdrawal ..... Thursday, June 19
Summer Break (*No Classes*) ..... June 30-July 4
Fourth of July Holiday (*College Closed*) ..... Friday, July 4
Advising /Early Fall Registration ..... July 14-18
End of Conditional Withdrawal ..... Tuesday, July 15
Last Day of Classes ..... Friday, August 1
Grades Due 9:00 a.m. ..... Tuesday, August 5

MAYLAND COMMUNITY COLLEGE

HISTORY

Mayland Technical Institute was approved by the 1971 session of the General Assembly of North Carolina upon recommendations of the State Board of Education, the Advisory Budget Commission and the Governor. The recommendations and approval were based upon the hard work of local citizens of the three counties **M**itchell, **A**very, and **Y**ancey (hence its name MAYland). Located in the Blue Ridge Mountains of western North Carolina, Mayland is one of fifty-nine institutions in the North Carolina Community College System.

On December 3, 1979, the Institute was formally renamed Mayland Technical College by the Institute Trustees and the Boards of County Commission of Mitchell, Avery, and Yancey counties.

On January 1, 1988, the College was formally renamed Mayland Community College by the College Trustees and the Boards of County Commission of Mitchell, Avery, and Yancey counties.

The College also operates the Phillips-Gwaltney Child Development Center located on campus, as well as satellite campuses located in Newland and Burnsville.

INSTITUTIONAL PHILOSOPHY

VISION STATEMENT

"Mayland Community College will be a catalyst
for the growth and development of our communities"

VALUES

In all that we do, Mayland Community College will strive to emphasize:

Quality	Teamwork
Respect	Growth
Innovation	Integrity

MISSION STATEMENT

The mission of Mayland Community College is to give the citizens of our service area the opportunities they need to improve their lives through the attainment of a high-quality, accessible education by providing:

- Education, training and retraining for the workforce, including basic skills and literacy education, occupational and pre-baccalaureate programs.
- Support for economic development through services to and in partnership with business and industry.
- Services to communities and individuals, which improve the quality of life.

MAYLAND GOALS 2000-2003

"VISION FOR THE NEW MILLENNIUM"

PREPARE THE COMMUNITY FOR A CHANGING WORLD

- Develop and perpetuate partnerships and coalitions within the institution and the community.
- Play an active role in economic development activities in the community and for our students.
- Serve diverse student needs through all programming of the institution.

PROMOTE QUALITY AND FLEXIBLE PROGRAMS AND SERVICES

- Identify and develop new markets to serve.
- Develop new and expanded programs in all areas of academics.
- Offer flexibility in serving our various constituents.
- Promote the institution, both internally and externally, through proactive communications with our interested stakeholders.

PROCURE AND ALLOCATE ESSENTIAL RESOURCES

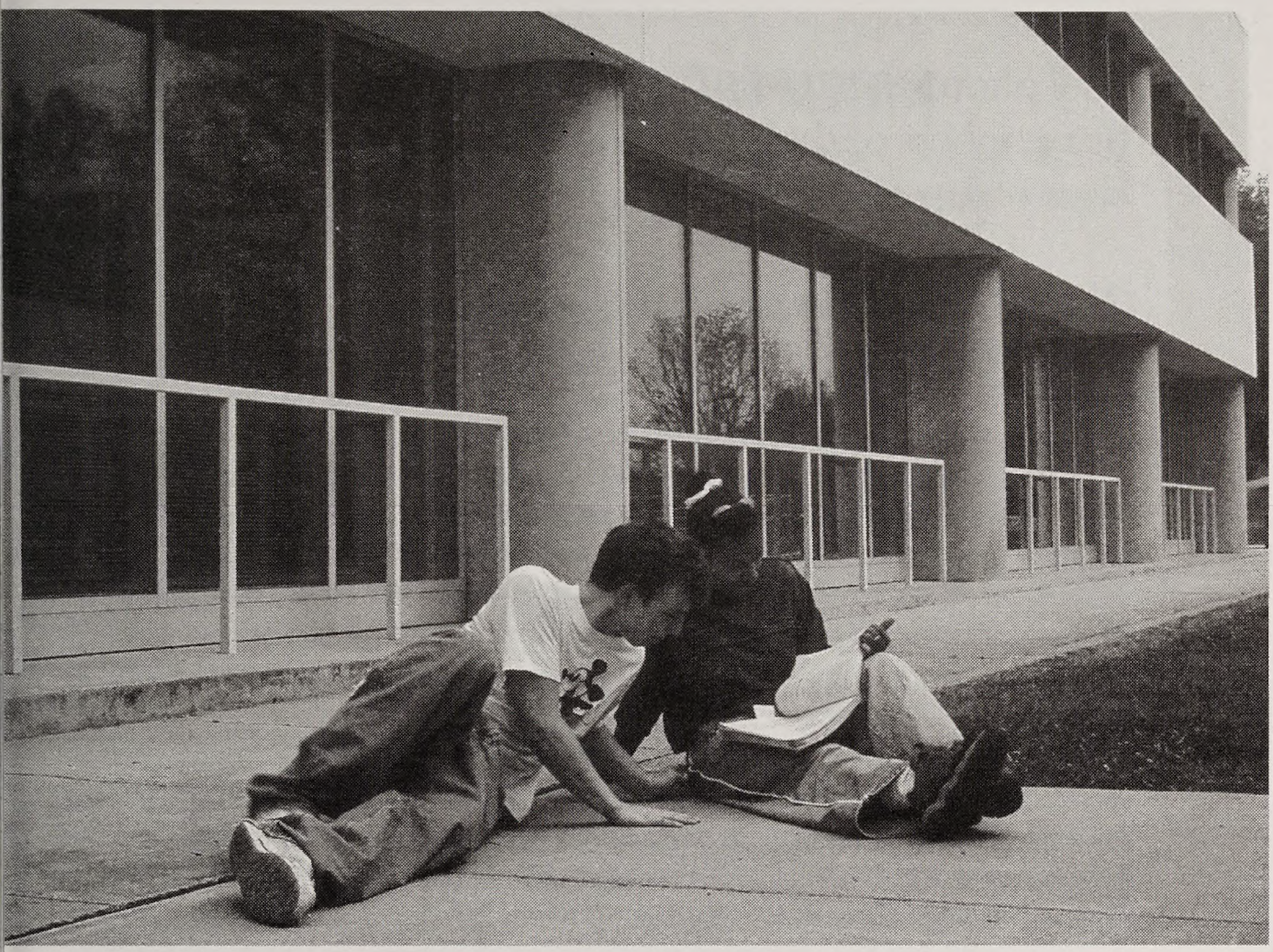
- Develop relationships with individuals, corporations, and industries that share our desire to serve the community through involvement in the Mayland foundation in general and the Capital Campaign in particular.
- Expand Mayland offerings through the development of facilities both on and off campus.
- Support North Carolina Community College System efforts to secure the necessary funding by informing and educating our community about the benefits they receive from the college.

PROMOTE LEARNING THROUGH TECHNOLOGY

- Continue to expand the educational offerings through distance education.
- Develop a comprehensive technology plan that includes all elements of technology throughout the college.

IMPROVE ACCOUNTABILITY PROCESSES

- Develop a process of reviewing and evaluating programs and processes throughout the institution.
- Develop a conceptual framework for planning at the college that will lead to effective budgeting and program offerings.
- Continue efforts to complete the Performance Management Plan.
- Finalize efforts at developing an efficient and fair Salary Plan.



GENERAL INFORMATION

The photos separating our catalog sections were taken by members of the *ART 260 - Photography Appreciation* class of Spring, 2001 at Mayland.

TOP PHOTO by Amanda McKinney
BOTTOM PHOTO by Jamie Yeater

I. GENERAL INFORMATION

The main campus of Mayland Community College is located on Highway 19E, four miles east of Spruce Pine. The College also operates satellite campuses located in Burnsville and Newland.

ACCREDITATION

Mayland is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools *(1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number (404) 679-4501)* to award certificates, diplomas, the Associate in Applied Science, Associate in Arts and Associate in Science Degrees.

The Associate Degree Nursing Program has been approved by the North Carolina Board of Nursing, and the College has been accredited by the N.C. Criminal Justice Education and Training Standards Commission. All degree and diploma programs and the General Educational Development (GED) courses are approved by the Department of Veterans Affairs.

EVENING AND OFF-CAMPUS OFFERINGS

The College is operational both day and evening. Working students can fit coursework around their work schedules and in some programs can complete all work toward a diploma or degree by attending only in the evening. The College also has off-campus classes, which include both credit and non-credit courses. Many of these are offered to community organizations, businesses and industries.

VISITORS

Visitors and prospective students are always welcome at Mayland Community College. Group tours may be scheduled through Student Development Services (765-7351 or 1-800-4-MAYLAND). Members of the Student Development Services staff will conduct tours and answer questions about programs. Visitors must register at the entrances upon arrival to campus and park in visitors' spaces.

TOBACCO-FREE CAMPUS POLICY

The Board of Trustees has established that the campus of Mayland Community College shall, with the exception of designated areas, be tobacco-free.

Smoking is prohibited in all college buildings and college-owned vehicles; however, smoking is permitted in the following outdoor areas that have been designated by the President as smoking areas:

- Outside the entrance to the main Administrative/Classroom building near the flagpole and in the vicinity of the entrance to the Cosmetology area;
- Outside the second floor entrance to the Administrative/Classroom building near the Biology classrooms;
- The loading dock area near the Student Commons;
- The breezeway area outside the Bookstore in the Sam Center; and
- The outdoor courtyard area on the ground floor level of the Sam Center. The courtyard is located near the concrete retaining wall at the base of the metal stairway that leads from the plaza level to the ground floor level.

POSSESSION OF FIREARMS AND OTHER DANGEROUS WEAPONS POLICY

The possession, whether concealed or otherwise, of firearms or other weapons as defined in N.C.G.S. 14-269.2 on the campus and grounds of Mayland Community College or off-campus locations where classes and/or activities are being conducted under the auspices or on behalf of the College is forbidden except as provided by statute or policy adopted by the Board of Trustees.

Any student or employee found to be in possession of a firearm or other weapon in violation of this policy is subject to immediate dismissal, termination, and/or prosecution in accordance with applicable statutes. Any other person in violation of this policy is, in addition to being subject to criminal prosecution under applicable statutes, subject to immediate expulsion from institutional facilities and prohibition against reentry.

Exceptions to the general policy statement include:

- Sworn law enforcement officers may carry their firearms or other weapons on their person only when called to conduct official business on the campus and grounds of Mayland Community College.
- Sworn law enforcement officers who enroll in educational classes and/or activities conducted under the auspices of the College may carry firearms or weapons only while attending classes or training that specifically require the use of such weapons at all times, subject to institutional procedures and directives and orders of college representatives.

Subject to institutional procedures, college personnel are authorized to possess firearms and weapons incident to institutional programs for training and safety that require weaponry for educational purposes.

COLLEGE/WORKPLACE ANTI-VIOLENCE POLICY

The safety and security of all students, faculty, staff and customers is an appropriate concern of Mayland Community College. Acts of violence made by or against any of the aforementioned are not permitted. Students, faculty and staff or vendors committing acts of violence are subject to disciplinary action that may result in suspension of privileges, suspension and/or dismissal from the College, and/or prosecution under the appropriate general statutes.

The following behaviors are prohibited:

- Any act or threat of violence made by a student, employee, vendor or contractor against another;
- Any act of threat of violence including, but not limited to, intimidation, harassment or coercion;
- Any act or threat of violence that endangers the safety of students, employees, customers, vendors, contractors or the general public;
- Any act or threat of violence made directly or indirectly by words, gestures or symbols; and
- Use or possession of dangerous weapons on the College campus.

The President of the College has enacted procedures for the handling of emergency situations that may arise on campus. Copies of these procedures are available in the President's Office.

PARKING AND TRAFFIC POLICIES

The Board of Trustees of Mayland Community College has authorized the enactment and implementation of regulations, guidelines and procedures for the management of parking and traffic at the College and access roads leading to the College.

- All regulations, guidelines and procedures are in accordance with the provisions of Chapter 115D-21 of the North Carolina General Statutes and other applicable local, state or federal ordinances.
- Users of College streets, roads, driveways, and access roads shall do so in a manner consistent with applicable ordinances.
- The President has the right to deny use of College streets, roads, driveways and access roads to any individual, group or organization deemed to be in violation of College parking and traffic regulations, or for any other reason.
- The speed limit on all College streets, roads, driveways and access roads is twenty (20) miles per hour.
- All students, faculty and staff must have a valid parking permit. These are available through the College Bookstore.
- Reasonable provisions shall be made for the towing or removal of unattended vehicles found to be in violation of College parking and traffic regulations.
- Additional rules, regulations and ordinances related to this policy are contained in the current edition of the *Student Handbook* and are available to all students, employees and visitors to the College.

FACILITIES USE POLICY

Mayland Community College makes its facilities available for civic, cultural, educational and/or recreational activities as authorized by the President or his/her designee. Details are available upon request from the office of the Vice President of Instructional Services.

The procedures and guidelines ensure that users preserve and properly care for the facilities, and that scheduled activities do not conflict with the use of the facilities or grounds for College purposes or with applicable federal, state or local statutes and/or ordinances, or with policies adopted by the Board of Trustees.

The President has established a facilities fee structure that takes into consideration the approximate costs of operation and maintenance of the space used. Copies of the fee structure are available in the Office of the Vice-President of Instructional Services.

The President has the right to waive the facility use fee if he/she determines that doing so would be in the best interests of the College.

The College reserves the right to deny the use of any of its facilities to any individual, group or organization for any reason.

Permission to use the facilities of Mayland Community College in no way constitutes an endorsement, advocacy or approval by the College of the goals, objectives, aims or opinions of any individual and/or organization, nor is it to be construed as such.

COMPUTER USE POLICY

Because the rapid pace of changes in technology also changes the ways that information may be accessed, processed, communicated and distributed by members of the College community, and because in a free and democratic society access to information is a fundamental right of citizenship, Mayland Community College supports the principle of open access to information resources by students, and encourages the development by faculty and staff of appropriate skills to make use of such resources.

Recognizing that each individual user is ultimately responsible for his/her own actions, the Board of Trustees has enacted a policy governing the use of institutional computing resources and establishes conditions relative to their acceptable use for the purpose of allocating its resources and avoiding disruption of its educational programs. This policy makes no attempt to articulate all required or prohibited behavior by users of the computer resources of Mayland Community College. While ultimate decisions on access shall be made by College personnel, guidelines have been adopted subject to the limitations of the following sections.

ACCEPTABLE AND UNACCEPTABLE USES

Computing resources owned and/or operated by Mayland Community College are intended for the use of its students, faculty, staff and other authorized individuals for purposes directly related to instruction.

It is not acceptable to utilize or make use of the computing resources of Mayland Community College:

- For any purposes prohibited by federal or state law;
- For commercial gain or profit;
- To create or propagate computerized viruses;
- To access, display, make accessible, play, publish or transmit any annoying, discriminatory, indecent, lewd, obscene, pornographic, offensive, racist, sexist, threatening or harassing language and/or materials;
- To transfer copyrighted materials to or from any computer system, or via Mayland Community College's computer networks, except as permitted by law or by written agreement with the owner of the copyright; and
- To attempt to obtain unauthorized computer access or privileges, or to attempt to trespass in the files, folders or work of another individual.

Further, it is not permissible to deliberately attempt to damage and/or sabotage institutional computers, computer software or computer networks.

RESERVATION OF RIGHTS AND LIMITS OF LIABILITY

Mayland Community College reserves all rights in the use and operation of its computer resources, including the right to monitor and inspect computerized files, resources and/or computer support services, or to terminate service at any time and for any reason without notice.

The College makes no guarantees or representations, either explicit or implied, that user files and/or accounts are private or secure.

The College and its representatives are not liable for any damages and/or losses associated with the use of any of its computer resources or services.

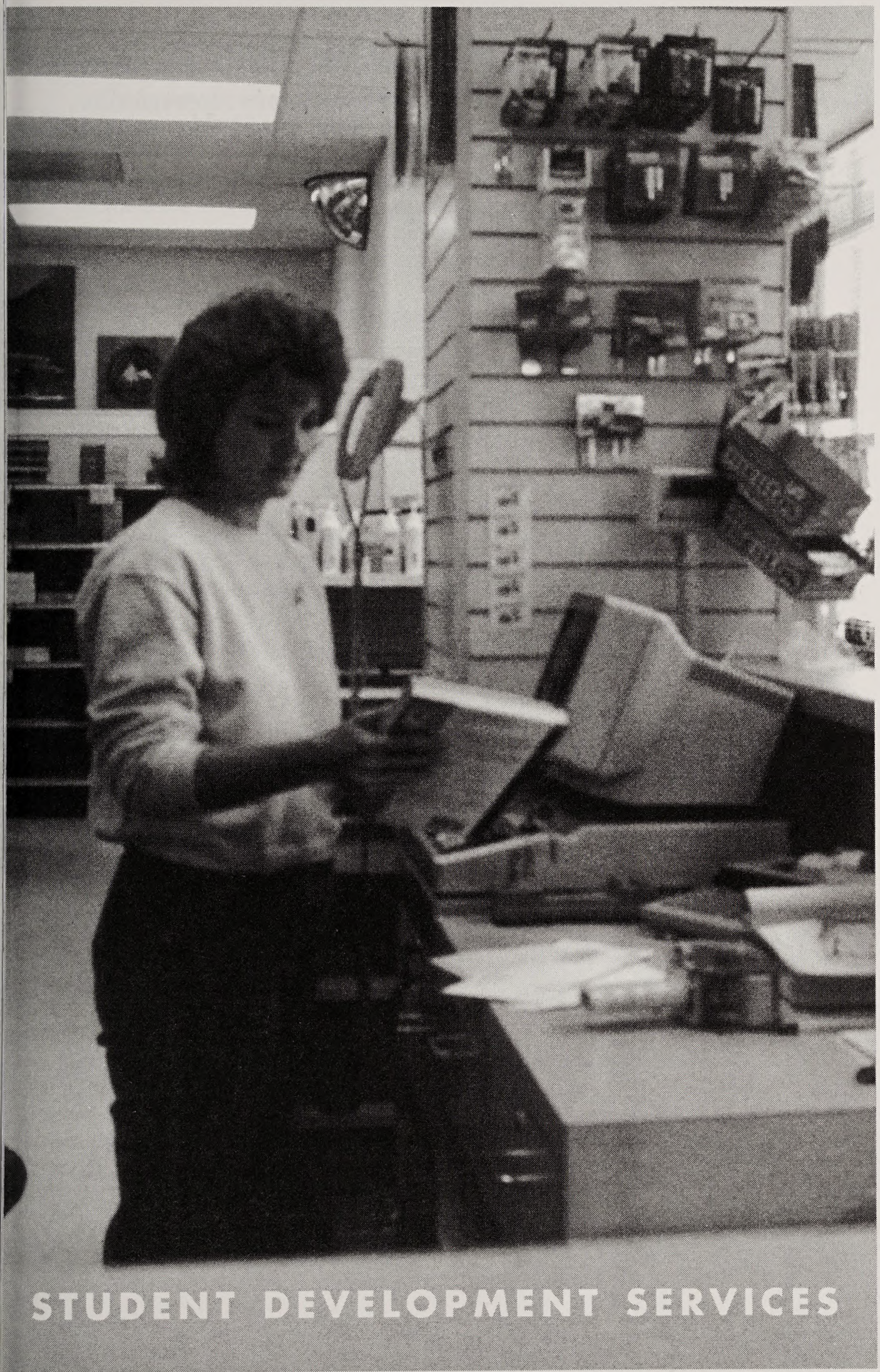
VIOLATIONS

Violation of any of the provisions of the Computer Use Policy may result in suspension of computing privileges, disciplinary review, dismissal, termination, and/or prosecution in accordance with applicable federal, state or local statutes or ordinances.

OFFICE HOURS

- Administrative offices and all service offices are open Monday through Friday from 8:00 a.m. to 5:00 p.m.
- The Student Development Services Office is open until 7:00 p.m. Monday through Thursday evenings.
- The Financial Aid Office is open until 7:00 p.m. on Monday evenings.
- The Bookstore is open Monday through Thursday 8:00 a.m. - 6:00 p.m. and Friday 8:00 a.m. - 4:00 p.m.
- Office hours of instructors are posted on their office doors at the beginning of each academic term.

Notes



STUDENT DEVELOPMENT SERVICES

The photos separating our catalog sections were taken by members of the *ART 260 - Photography Appreciation* class of Spring, 2001 at Mayland.

PHOTO by Amber Osborne

II. STUDENT DEVELOPMENT SERVICES

The Student Development Services Office provides a variety of support services to prospective students and enrolled students. The mission of Student Development Services is to develop programming designed to enhance the quality of students' lives and to assist them in their personal and professional development. From preadmission to post graduation, Student Development Services seeks to provide opportunities designed to develop students holistically while facilitating their progress, persistence and attainment of educational goals.

GENERAL ADMISSION REQUIREMENTS

Mayland Community College operates under the "Open Door" policy of the North Carolina Community College System. Instruction is open to any individual 18 years of age or older who is not presently enrolled in high school.

Requirements for admission to programs leading to an associate degree, diploma or certificate:

1. High School graduation or state-approved equivalent education.
2. Transcripts from high school and post-secondary institutions attended. ***A student without a transcript by the end of the first semester of enrollment will not be eligible to enroll for the following semester.***
3. Completion of the MCC Computerized Placement Test (CPT) for students taking courses requiring reading proficiency, English and/or mathematics.

Mayland Community College strongly encourages concurrent enrollment in our GED program for the following certificate programs that do not require high school graduation or state-approved equivalent education for initial enrollment:

Autobody Repair Level I Certificate	C 60 10 0 C1
Autobody Repair Level II Certificate	C 60 10 0 C2
Cosmetology Certificate (Manicure)	C 55 14 0
Electrical/Electronics Certificate Residential Wiring	C 35 22 0 RW
Electrical/Electronics Certificate Industrial Wiring	C 35 22 0 IW
Esthetics Certificate	C 55 23 0
Welding Technology Certificate Level I	C 50 42 0 C1
Welding Technology Certificate Level II	C 50 42 0 C2

The above programs are not eligible for Pell or other federal or state financial aid.

To enter the diploma programs above, a student must have either a high school diploma or a GED certificate.

ADMISSION PROCEDURES

A person wishing to enroll in any curriculum offered by Mayland Community College should:

1. Obtain an application form from the Student Development Services Office or from a local high school guidance office.
2. Make an appointment to meet with an Admissions/Retention Advisor for assistance with the application, transcripts and placement testing.
3. Submit the properly completed application form.
4. Request that transcripts of previous educational experiences be sent directly to the Assistant Registrar.
5. Take the MCC Computerized Placement Test (CPT). This is not an entrance exam. Its purpose is to determine proper course selection in math, English and reading courses.
6. Meet with an assigned faculty advisor once the application is received.
7. Receive notification by letter when all admission procedures have been completed.

ADMISSIONS ADVISING

Each student seeking information about admission to Mayland Community College should make an appointment with an Admission/Retention Advisor (ARA). ARAs provide general information about the college offerings, assist with the application, transcript requests, and placement testing, as well as provide basic information about financial aid and scholarships. ARAs also refer students to other needed services, for example career counseling or personal counseling.

After students are admitted, the ARAs continue to serve as retention counselors if students need additional resources or support systems in order to achieve academic goals.

SPECIAL ADMISSION REQUIREMENTS

ASSOCIATE DEGREE NURSING PROGRAM

Admission to the Associate Degree Nursing program is based on a competitive ranking system. The requirements for Associate Degree Nursing include the following:

1. An MCC application form completed between January 1 and February 28
2. Acceptable scores on the *Computerized Placement Test* and the *Biology Proficiency Exam* or proof of proficiency
3. High school graduation or state-approved equivalent education
4. Transcripts from high school and post-secondary institutions attended
5. Acceptable score on the *Psychological Service Bureau (PSB) Nursing School Aptitude Exam*
6. Acceptable dental form (after conditional acceptance)
7. Acceptable physical examination/immunization forms (after conditional acceptance)

8. CPR certification (prior to enrollment)
9. Contact with Associate Degree Nursing Dean if the applicant has ever been convicted of a misdemeanor or felony, excluding minor traffic violations
10. Freedom from any physical or emotional disability that would prevent the performance of nursing duties

Advanced Placement Admission to the Associate Degree Nursing program includes the above **and** the following:

1. Completion of an MCC application form between August 1 and September 30
2. Current licensure as a Practical Nurse (LPN)
3. Completion of preparatory courses
4. Acceptable score on the *National League of Nursing (N.L.N.) Acceleration Challenge Exam*

More information can be obtained from the Admissions/Retention Advisor for the Associate Degree Nursing program in the office of Student Development Services.

BASIC LAW ENFORCEMENT TRAINING (BLET)

The requirements for admission to Basic Law Enforcement Training are:
(1) Students must be US citizens;
(2) Students must possess a high school diploma or GED certification;
(3) Students must pass a physical exam;
(4) Students must be at least 20 years old.

Please see the BLET school director prior to enrollment in BLET.

HIGH SCHOOL DUAL ENROLLMENT

Individuals between 16 and 18 years of age may be admitted to appropriate courses at Mayland Community College in accordance with *North Carolina General Statutes* and the *North Carolina Administrative Code for Community Colleges*. Admission requirements include joint approval of high school and Mayland Community College officials.

STUDENTS TRANSFERRING TO MCC

Students may be admitted with advanced standing by transfer from accredited colleges and universities and from previous programs taken at Mayland Community College. Transfer students must be eligible to return to the last institution attended. If the student is admitted, his or her record will be evaluated to determine the amount and type of credit to be transferred. However, at least one-fourth of the credit required for a degree must be completed at Mayland Community College. Any exceptions will be made by the President.

NON-DEGREE SEEKING STUDENTS

Students who plan to take one or more courses, but not pursue a degree, will be admitted after completing an application form and the MCC Computerized Placement Test for those taking courses requiring proficiency in reading, English and/or mathematics.

STUDENTS WITH DISABILITIES

Federal law prohibits Mayland Community College from making preadmissions inquiries about disabilities. Information regarding a disability, voluntarily given or inadvertently received, will not adversely affect an admission decision. If a student requires special services such as an interpreter or taped textbooks because of a disability, he/she should notify the director of S.O.A.R. or the Counseling Center at least six weeks in advance. This information will allow the College to prepare appropriate support services to facilitate learning. This information will be kept in strict confidence and has no effect on admission to the College.

FOREIGN STUDENT ADMISSION

Mayland Community College (MCC) admits non-immigrant students with proper authorization through the Immigration and Naturalization Service.

Application for admission should be made at least two months prior to the semester in which an applicant plans to enroll. Non-immigrant students are treated as non-resident students with respect to tuition and fees. A nonresident of the United States who has resided in North Carolina for a 12-month qualifying period and has filed an immigrant petition with the United States Immigration and Naturalization Service shall be considered a State resident for community college tuition purposes. The college cannot provide financial aid to foreign students; therefore, students must have sufficient funds to cover all living expenses, tuition and fees while attending the college. Student housing is not available on campus and foreign students are expected to make their own arrangements for housing.

1. For foreign applicants seeking enrollment in distance education courses only, an application for admission and proof of prerequisite proficiency is sufficient for admission. Contact an Admission/Retention Advisor (ARA) for more information.

2. The following items are required for students seeking educational visas:

   A. Application for Admission and Resident Status Application:
   The application form is provided by the college and should be completed and returned to initiate the admission process. To implement the in-state tuition provision we must obtain documentation of the filing of an immigrant petition (*Form I 797, Notice of Action*) provided to the petitioner from the Immigration and Naturalization Service.

B. Academic Records:

A certified copy of the original educational record, to include all previous academic experiences, is required. If the original copy of this record is written in a language other than English, then a certified copy of an English translation is required. All transfer students must provide copies of transcripts from previous institutions.

C. TOEFL:

The *Test of English as a Foreign Language* is required of all applicants, except those from countries where English is the only official language, or the applicant is a transfer student from an accredited United States college or institution with English transfer credit. The minimum acceptable TOEFL score is 500 written and 173 computer score.

D. Affidavit of Support:

A completed Form I-34, signed and notarized signature on financial resource statement is required of all applicants. The supporter must provide an official letter from his/her banking institution giving information on the types of account(s), balance(s) and length of time he/she has been banking with the institution. A minimum of $4,000 must be deposited upon admission to the college.

E. Report of Medical History:

A completed statement of medical history signed by a practicing physician is necessary. A record of updated immunization history.

F. Transfer Clearance:

A Transfer Clearance Form must be completed by all students who are currently residing in the United States for the purpose of attending school. The form must be completed, by the last authorized institution attended.

Upon receipt of all items listed above, an admission decision will be made and the applicant will be notified as soon as possible. If the decision is a positive one, then an US Department of Justice Form I-20 Certification of Eligibility will be prepared and forwarded with a formal acceptance letter.

Students are reminded that it is their responsibility to know the expiration date of their student visa, their personal passport and the completion date for their program of study as listed on their I-20.

International students are required to maintain their student status by completing classes on a full-time basis (12 credit hours each semester). Students requesting part-time status must have written approval from the Vice President of Student Development Services before carrying a part-time load of classes. Failure to comply with this regulation will place the student in an "out-of-status" situation that will result in mandatory reinstatement paperwork or travel. Specific and acceptable reasons for approved part-time status will be discussed on an individual and personal basis with the Vice President of Student Development Services.

Students who require additional time to complete their studies will need an extension of stay. They are required to present a typewritten memo from their academic advisor or dean stating the reason for the extension and a new expected program completion date. This memo must be on MCC letterhead. Telephone calls and/or handwritten memos are not acceptable. Failure to provide the required documentation before the current I-20 completion date will place the student in an "out-of-status" situation. Although the processing regulations for students on F-1 visa vary, the department memo is required from all students.

Students entering the country on a B-2 tourist visa are not allowed to enroll in a complete academic program of study. They may take some credit classes not to exceed 15 credit hours. Students who enter the US on a waived tourist visa cannot convert their visa under any circumstances and will be required to exit the country, return to their home country and get the proper visa before they will be allowed to study.

Students are reminded that the Vice President of Student Development Services must sign their I-20 before any travel outside the US. Please do not wait until the last minute to have these documents signed. Reminder: This office will not rush process any requests for paperwork. You will need to allow the minimum amount of time (two-three days) for processing; depending on the type of paperwork you need from this office. It is hour responsibility to allow for the appropriate amount of time to process your paperwork.

READMITTANCE

Students re-entering after two semesters of non-attendance will be placed into the guidelines of the current catalog for graduation purposes.

Expelled or suspended students could be readmitted during a subsequent semester by completing a *Justification for Readmission Statement*, which will be reviewed by the ARA, Faculty Advisor, Vice President of Student Development Services and Vice President of Instructional Services. Grounds for expulsion or suspension are found in the Student Conduct Code located in the *Student Handbook* or in the Academic Warning, Probation and Suspension System as described in this catalog.

AUDITING COURSES

Students who wish to audit courses must follow regular registration procedures. They will be admitted to class only if there is room after students taking the course for credit are admitted. Audits are to be declared and noted during the first 5 days of the semester. After the drop/add period, a course designation may not be changed from credit to audit or from audit to credit

Auditing students are charged the same tuition rates credit students are charged but do not receive credit for courses audited. They are expected to observe all attendance and other regulations. Hours taken through audits will not be included in determining enrollment status or eligibility for financial assistance.

TUITION, FEES AND EXPENSES

TUITION*

In-State: Tuition is $27.50 per credit hour up to 16 credit hours for Fall and Spring Semesters and $27.50 per credit hour up to 9 credit hours for Summer.

Out-of-State: Tuition is $169.75 per credit hour up to 16 credit hours for Fall and Spring Semesters and $169.75 per credit hour up to 9 credit hours for Summer.

** Charges for tuition are subject to change as determined by the North Carolina General Assembly. Charges are based on 1999-2000 figures.*

Tuition per Semester	N.C. Resident	Out-of-State Resident
Fall	$440.00	$2,716.00
Spring	$440.00	$2,716.00
Summer	$247.50	$1,527.75
TOTAL FOR YEAR	**$1,127.50**	**$6,959.75**

FEES

Activity Fee: For students registered for 9 or more credit hours, the fee is $16.00 for the fall and $12.00 for the spring. For students registered for 1-8 credit hours, the fee is $10.00 for fall, $8.00 for spring. A portion of the activity fee covers graduation expenses.

Lab Fee: $5.00 per course, not to exceed $10.00 per academic term, on courses in the following subject areas: Biology (BIO), Office Systems Technology (OST), English (ENG), Electronics Engineering Technology (ELN), Information Systems (CIS, CSC or NET) and Physics (PHY).

INSURANCE

All curriculum students (full-time and part-time) are required to purchase insurance to cover accidents associated with school activities. This group insurance costs an average of $1.25 per semester, subject to yearly assessment.

Students may file an insurance claim by completing a form available from the Vice-President of Student Development Services or at the Student Development Services window.

PELL SCHOLARSHIP PAYMENT AND THIRD PARTY CHARGES

Students charging to Pell Grants and/or scholarships or to third-parties will be allowed to charge their tuition and books beginning the day before registration or on registration day.

LATE REGISTRATION FEE

There is a $5.00 processing fee for late registration in curriculum programs.

OTHER EXPENSES

- Books and Supplies: The cost of books and supplies varies greatly from program to program, and from one semester to another. Generally, this cost will be around $60 for a used textbook to $80 for a new textbook. Therefore, book prices could range from $300 to $400 per semester.
- Cosmetology Program: Each cosmetology student will be required to purchase a basic kit, white uniforms and shoes, a name tag, mannequins, a hair dryer, a marcel iron and Pivot Point books.
- Physical Education: Courses may require a special fee to defer the cost of equipment and facility rental.
- Photocopying: The cost of photocopying varies greatly from program to program, and from one semester to another.
- Associate Degree Nursing Program: Students in the Nursing Program will be required to buy uniforms, shoes and achievement tests; pay for photocopying; provide transportation to clinical sites; and pay additional graduation expenses. Approximately $2,500-$3,000 will be required to pay total costs, except transportation.

EXPENSE WAIVERS

- North Carolina residents age 65 and older, high school students, prisoners and students enrolled in the General Educational Development program are not required to pay tuition or activity fees. These students may be required to purchase student accident insurance for certain courses.
- Students preparing to take the *General Education Development Tests* for a high school equivalency certificate do not pay tuition, activity fee or insurance. However, a $7.50 fee is required to take the GED exam.
- BLET students are exempt from tuition if they meet requirements set forth in the *North Carolina Administrative Code—Chapter 12, Sections 9 and 10.*

REFUNDS

- The tuition refund/credit procedure is established by the *North Carolina Administrative Code* and is subject to revision. Additional required costs to students must be approved by the Mayland Community College Board of Trustees but may be enacted at any time. Announcements of additional charges or changes in cost will be made prior to registration periods.
- Students properly withdrawing from courses before the 10% point of the course are eligible for partial tuition refund upon request (not including fees or books). Refunds will be mailed in a reasonable time following the withdrawal of the student from the course *(subject to change by NCCCS).*
- Tuition refunds will not be considered for tuition of five dollars ($5.00) or less, except if a course or curriculum fails to materialize, in which case all the student's tuition shall be refunded.
- No refund of activity fee will be made unless a course fails to materialize.
- If a student officially withdraws from the institution before the end of the semester and the reasons for the withdrawal are found excusable by the Vice President of Student Development Services, the student may be allowed partial credit for

unrefunded tuition and fees if he/she applies for readmission during the next school year and petitions in writing to be allowed such credit.

RESIDENCY STATUS FOR TUITION PURPOSES

To qualify as a North Carolina resident for tuition purposes, a person must have established legal residence (domicile) in North Carolina and must have maintained that legal residence for at least twelve months prior to his/her classification as a resident for tuition purposes. Every applicant for admission will be required to make a statement as to his/her length of residency in the state and may be asked for additional information to support a residency claim. Each student will be classified by the Assistant Registrar as either a resident or non-resident of North Carolina. A student may appeal his/her residency classification to the Vice President of Student Development Services within 30 days of the decision.

PLACEMENT TESTING

All entering curriculum students, not having prior college credits in English or mathematics, will take the *Computerized Placement Tests* (CPTs) through the Admissions Office. The CPTs provide information on a student's skill level in reading, English and mathematics and help determine the appropriate courses in these areas for the student's chosen curriculum. The tests are untimed. If placement test scores indicate above average skill, a student may be allowed to exempt particular classes. If the scores indicate developmental work is needed, the student may be placed in skill-building classes. Credits for developmental courses do not count toward the required number of credit hours for graduation. If courses have been taken at another college, or if a student has taken the SAT or ACT test, or received Advanced Placement credits in high school, the CPTs may not be needed. Transcripts, SAT, ACT and Advanced Placement scores need to be evaluated before a student takes the CPTs. Special testing accomodations are available to students with disabilities. The Support Options for Achievement and Retention (S.O.A.R.) Office is the area to notify in advance for special testing accommodations.

FINANCIAL AID

Mayland Community College seeks to provide financial assistance to students who otherwise would not be able to continue their education. Types of aid available include scholarships, grants, part-time work, student loans and tax credits. All students are encouraged to apply for financial assistance. Counselors in Student Development Services are available to advise and assist students in applying for financial aid.

ELIGIBILITY REGULATIONS AND REQUIREMENTS

Students who receive *Title IV* federal aid and then drop out before the 60% point of the semester will be required to pay back a percentage of the aid. Failure to repay will result in the loss of eligibility for further *Title IV* aid until the amount due is repaid in full.

Student eligibility for financial assistance is determined by the *Free Application for Federal Student Aid* and the *Mayland Community College Scholarship Application.* All information received in the MCC Financial Aid Office will remain confidential. Awards are made according to federal, state and local regulations and are determined by subtracting the expected family contribution (EFC) from the total educational cost (COA). Information submitted may be subject to documented verification.

The school reserves the right to review and make adjustments to awards if the student becomes overawarded, if the student's resources change, or if there are other changes in the student's financial need.

Students in default of a student loan or repayment of a grant cannot be awarded financial aid under *Title IV Federal Regulations.*

Students receiving financial assistance are required to demonstrate academic progress, as well as earn a minimum of 24 credit hours per academic year when receiving financial aid as a **full-time** student, 18 credit hours per academic year when receiving financial aid as a **three-quarters time** student, and 12 credit hours per academic year when receiving financial aid as a **half-time** student.

Students who lose their financial aid may re-establish their eligibility by completing 6 credit hours in a semester with a 2.00 GPA without the benefit of financial assistance.

Financial aid awards are not made on the basis of any disability, race, color, sex or national/ethnic origin.

APPLICATION PROCEDURES

GRANTS, LOANS AND WORK STUDY

Students applying for all financial aid should file the *FAFSA (Free Application for Federal Student Aid).* This application is used to determine eligibility for all federal aid, including: Pell Grants, College Work-Study, Stafford Loans and the Supplemental Educational Opportunity Grant (SEOG). It also is used to determine eligibility for the North Carolina State Incentive Grant and the North Carolina Community College Grant. There is no fee charged to process this application.

For MCC students who wish to enroll in *RAVEN (Regional Audio/Video Education Network)* classes, the financial aid application process is similar to that for on-campus classes. Requirements for telecourses, Internet courses, and teleweb courses, which are all monitored by MCC instructors, are considered the same as normal classroom instruction.

However, courses from other colleges offered through *FOLDER (Functioning Online Listing of Distance Education Resources)* **do have** additional paperwork requirements. In order to receive any type of *Title IV* aid, these students must submit the following documentation: 1. copy of registration form showing the course number, section number, course title, number of credit hours, and total charges; 2. copy of tuition and fee payment receipt; 3. confirmation by letter or e-mail from the course instructor that the student is enrolled and participating in the online class.

MAYLAND COMMUNITY COLLEGE SCHOLARSHIPS

Any student who wishes to apply for a scholarship may complete the *Mayland Community College Scholarship Application*, which may be obtained at the Student Development Services window. Applications for scholarships awarded for Fall Semester must be received by the Student Development Services Office by July 1. Applications for scholarships awarded for Spring Semester must be received by the Student Development Services Office by November 15.

All applications for financial aid are available in local area high school guidance offices and in the Student Development Services area of the MCC Administration/ Classroom Building.

TYPES OF AID

FEDERAL PELL GRANT PROGRAM

The purpose of the Federal Pell Grant is to provide eligible students with a foundation of financial aid for post-secondary education. Any student working toward a degree/diploma/certificate may be eligible for the grant, which ranges from $400-$3,750, depending on the number of semesters attending, the number of credit hours enrolled each semester and the Expected Family Contribution (EFC) as calculated by the Department of Education.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT

This grant is for students demonstrating exceptional need to meet their costs of education. It is awarded the second week after the last day of the *Conditional Withdrawal* period.

FEDERAL COLLEGE WORK-STUDY PROGRAM

This aid is intended to provide eligible students employment to assist in paying their expenses to attend college. The MCC Financial Aid Office endeavors to assign the student to work in an area related to intended career objectives. A student must be eligible to receive a Pell Grant in order to be eligible to receive Work-Study Aid.

FEDERAL STAFFORD LOANS

Federal Stafford Loans, with no repayment until after graduation or cessation from college, are financed by state, federal and private funding sources. Results of the *FAFSA* determine eligibility for these loans. However, additional loan applications must be completed.

NORTH CAROLINA STUDENT INCENTIVE GRANT

Students with exceptional financial need may receive a NCSIG. The requirement for consideration of the NCSIG is to complete the *FAFSA* by March 15 each year. No other form is required.

NORTH CAROLINA COMMUNITY COLLEGE GRANT

The North Carolina Community College Grant is funded by an appropriation made by the North Carolina General Assembly in 1999 and provides the largest financial need-based student assistance program in the history of the North Carolina Community College System. It is the intent of the General Assembly that the Community College System make these financial aid funds available **to the neediest students who are not eligible for other financial aid programs that cover their required educational expenses**. Every student who is ineligible to receive a **full** Pell Grant award is considered for this need-based grant. The students most likely to receive a North Carolina Community College Grant are those with a valid *Student Aid Report* showing an "expected family contribution" code (EFC) ranging between "1601" and "4000". Award amounts range from $25.00 to $825.00 per semester.

SCHOLARSHIPS

A number of scholarships are available at MCC and eligibility requirements vary. Scholarship applications may be picked up and turned in after completion at the Student Development Services window. Applications for miscellaneous scholarships from various sources are posted on the Financial Aid Bulletin Board near the Financial Aid Office (Room 148). The financial aid page on the MCC Website contains links to several financial aid resources on the Internet.

TAX INITIATIVES

On August 5, 1997, President Clinton signed into law the *Taxpayer Relief Act of 1997*, putting into place some ways through the tax structure that students can reduce their costs of education. Included under this act are the **Education IRA**, the **Hope Scholarship Credit**, **Lifetime Learning Credit**, and **Student Loan Interest Deductions**.

For additional information on these tax incentives, call 1-800-4-FED-AID or seek advice from your tax consultant or the IRS. You may also visit the IRS Website at www.irs.ustreas.gov and click on "Tax Info For You" at the bottom of the page.

EDUCATION IRA: This is a trust or custodial account that is created exclusively for the purpose of paying the qualified higher education expenses of the designated beneficiary of the account. Taxpayers, including the designated beneficiary, may deposit up to $500 per year, tax-free until withdrawal, into an Education IRA for anyone under the age of 18. Also, no tax is owed upon withdrawal from the IRA account unless the amount withdrawn is greater than the cost of the student's qualified higher education expenses.

HOPE SCHOLARSHIP TAX CREDIT: Taxpayers may be able to claim this credit for any out-of-pocket tuition and fees paid during the **first two years** of any family member's post-secondary education. The maximum credit a taxpayer may receive is $1,500 times the number of first- and second-year post-secondary students in the taxpayer's family. Individual taxpayers with $50,000 and above adjusted gross income, and taxpayers filing jointly with $100,000 and above adjusted gross income are ineligible.

LIFETIME LEARNING CREDIT: This credit may be claimed for out-of-pocket tuition and fees paid for any students in the taxpayer's family. Even though a taxpayer may not claim a Hope Scholarship credit and a Lifetime Learning Credit for the same student in the same year, there is no limit to the number of years in which a Lifetime Learning Credit may be claimed for each student. Adjusted Gross Income eligibility limits are the same as those for the Hope Scholarship Tax Credit.

STUDENT LOAN INTEREST DEDUCTIONS: These deductions may be claimed during the first 60 months that interest payments are required to be paid, and are paid, on the loan by the taxpayer or any member of his family. These deductions are allowed on both subsidized and unsubsidized federal loans, as well as for other loans obtained to pay the costs of attendance at a post-secondary institution. Taxpayers with modified adjusted incomes above $50,000 ($75,000 for married taxpayers filing jointly) may not claim the student loan interest deduction. (The modified Adjusted Gross Income limitations are indexed for inflation after 2002.)

RESOURCES

VOCATIONAL REHABILITATION

Students with exceptional need may be eligible for financial assistance under the provisions of *U.S. Public Law 565*. Prospective students who feel they may qualify for this aid should contact the nearest office of the North Carolina Department of Vocational Rehabilitation or the Director of Financial Aid at MCC.

NORTH CAROLINA DIVISION OF VETERANS AFFAIRS SCHOLARSHIPS

These scholarships are available to children of certain deceased, disabled or POW/MIA veterans. For further information, the student should contact the Veterans Service Officer in his/her home county or the Financial Aid Technician at MCC.

VETERANS ADMINISTRATION BENEFITS

Most curriculum programs offered by the College are approved for Veterans Administration educational assistance benefits. Veterans, dependents of veterans and war orphans may be eligible for VA benefits.

For further information and assistance in establishing eligibility for educational benefits, the student should contact the Financial Aid Technician.

Students receiving Veterans benefits may repeat only failed courses to receive payment for the class.

WORKFORCE DEVELOPMENT PROGRAMS

Mayland Community College Workforce Development Programs provide training, education and employment programs funded through the Workforce Investment Act (WIA). WIA consolidates and replaces the previous Job Training Partnership Act (JTPA) program. The purpose is to prepare youth, adults and dislocated workers for employment or further education and training through a variety of core, intensive training services that include:

Job Search & Placement Assistance

- Labor Market Information
- Assessment of Skills & Needs
- Information on Available Services
- Comprehensive Assessments
- Development of Individual Employment Plans

Employment Counseling/Case Management

- Short-Term Prevocational Services
- Occupational Skills Training
- On-The-Job Training
- Skills Upgrading
- Job Readiness Training

There are no eligibility requirements, but priority is given to low-income individuals, recipients of public assistance and veterans. Programs are administered through the JobLink Career Centers in both Avery and Mitchell counties and the W.A.M.Y. Office in Yancey County.

SATISFACTORY PROGRESS STANDARDS FOR FINANCIAL AID

The *Higher Education Act of 1965*, as amended by Congress in 1980, mandates institutions of higher education to establish minimum standards of "satisfactory progress" for students receiving aid. For the purpose of maintaining consistency among all students receiving financial aid administered by the MCC Financial Aid Office, these standards are applicable to all financial aid programs including all federally sponsored *Title IV* programs.

DEFINITION OF SATISFACTORY PROGRESS: To receive initially or continue to receive financial aid at MCC, a student must demonstrate satisfactory academic progress as set out in the Academic Requirements section of the *MCC Catalog* under the Academic Progress System heading.

QUANTITATIVE STANDARDS: The Federal Government will allow students to receive financial aid up to 150 percent of the amount of time it takes to earn a degree/diploma/certificate as stated in the "Curriculum Description" of each curriculum program in the *MCC Catalog*. For example, full-time students majoring in a curriculum established as 6 semesters may receive financial aid for 9 semesters to complete the program, providing the academic progress standards stated in the *Catalog* are met.

When a student re-enters college or changes majors, prior credits applying to the current major will be calculated in the required 150% time frame.

QUALITATIVE STANDARDS: The specific procedures for applying the satisfactory progress standards are outlined below:

1. Satisfactory progress will be evaluated prior to each payment period on a semester basis. (Exception: For the Guaranteed Student Loan, Supplemental Loans for Students and PLUS Loan Programs, evaluation will be completed prior to certification of the loan application.)
2. Grades of "F," "I," "WF," "W," "WP," "SP" and "Y" will not qualify as successful completion of credit hours attempted.
3. Repeated courses for which the student initially received a grade of "I" and was paid will not qualify for repayment. Likewise, courses repeated that were previously completed with an "A" will not qualify for repayment.
4. Audited classes are not counted in the number of hours to be considered when determining enrollment status for Pell Grant calculation and other financial aid.
5. Transfer credits from other post-secondary institutions will be used to determine satisfactory progress.
6. Except for courses in English as a Second Language, no more than one year's worth of non-credit or reduced credit remedial coursework will qualify for payment.
7. A student who fails to demonstrate satisfactory progress, as defined, will forfeit all financial aid awarded and disbursements will be terminated.
8. The maximum enrollment time frame will be prorated for those students who enroll on a less than full-time basis.

APPEAL OF FINANCIAL AID TERMINATION: To appeal financial aid termination, a student must be able to demonstrate mitigating circumstances. The procedure for appeal is:

1. A student will indicate in writing to the Director of Financial Aid the reasons why satisfactory progress was not met and why financial aid should not be terminated. Documentation to support the appeal is required.
2. Within five working days, the Director of Financial Aid will call a meeting of the Financial Aid Committee to review the appeal to determine whether termination of aid is justified. The student will be advised of the decision in writing within five working days of the meeting.
3. If the student disagrees with the finding of the committee, the student may file a grievance using the Student Grievance Policy.

REINSTATEMENT OF FINANCIAL AID ELIGIBILITY: Should a student lose financial aid eligibility due to not meeting the satisfactory progress definition, termination will continue until the student enrolls for a subsequent academic term at his/her own expense and completes at least six (6) credit hours with a 2.0 GPA.

ESTIMATED COST OF ATTENDANCE

The following are annual estimated student expenses for a full-time, fall and spring semester student at MCC.

	*Dependent	*Independent
Tuition and Fees	800.00	800.00
Books and Supplies	800.00	800.00
Room, board	2,400.00	4,200.00
Personal, miscellaneous	900.00	900.00
Transportation	900.00	900.00
TOTAL	**$5,800.00**	**$7,600.00**

** Some students may need to add the cost of out-of-state tuition or child care to these estimated expenses.*

The following are annual estimated student expenses for a full-time Nursing student at MCC.

	*Dependent	*Independent
Tuition and Fees	800.00	800.00
Books and Supplies	2,000.00	2,000.00
Room, board	2,400.00	4,200.00
Personal, miscellaneous	900.00	900.00
Transportation	1,900.00	1,900.00
TOTAL	**$8,000.00**	**$9,800.00**

** Some students may need to add the cost of out-of-state tuition or child care to these estimated expenses.*

ORIENTATION - ACA 111

Most majors at Mayland Community College require a mandatory orientation class during the first term of enrollment: *ACA 111 - College Student Success*. This course introduces the College's physical, academic, and social environment and promotes the personal development essential for success as a student. Topics include campus facilities and resources; policies, procedures, and programs; study skills; and such life management issues as health, self-esteem, motivation, goal-setting, diversity, and communication. Upon completion, students should be able to function effectively within the college environment to meet their educational objectives. Academic Advisors or the Student Development Services personnel can answer questions about this course.

COUNSELING CENTER

The Counseling Center is available to all current or prospective students, as well as alumni. A wide range of services are available free of charge. The office is located on the first floor of the MCC Administration/Classroom Building. Specifically, services include:

Career Counseling: Students can receive help in assessing their career interests and abilities, establishing career and educational goals and developing action plans for achieving those goals. A wide variety of career development resources are housed in the Counseling Center's Career Library, including books, videos, career assessments, Internet resources and extensive computerized information systems. Students can research any occupation or educational institution, enabling them to make well-informed decisions. Popular career assessments include the *Myers-Briggs Personality Inventory* and *DISCOVER*, a comprehensive career planning program.

Personal Counseling: Confidential counseling services are available for students who are experiencing personal problems that adversely affect their educational progress. Appropriate medical or agency referrals may be made if additional help is needed. Students may also receive assistance in areas of personal development such as time management, test anxiety, stress management and study skills.

Transfer Counseling: Students transferring to other colleges can receive assistance in making that transition. The Transfer Library, located in the Counseling Center, houses information for each college in North Carolina, including catalogs, crosswalks, applications, financial aid information and viewbooks. Software and Internet services are also available, allowing students to gain information on any college in the nation. A counselor can assist students in making decisions such as choosing their MCC electives, deciding on a university, and preparing to transfer.

Job Search Skills Assistance: Students preparing to look for work can gain assistance in writing a resumé, developing interview skills, finding networking/shadowing opportunities, and developing job search strategies.

Employment Assistance: An on-campus Employment Security Commission advisor is available to help students identify both part-time and full-time job openings. Computers are provided in the Student Commons for accessing job opportunities online any time the College is open. Local job listings are also posted weekly on the Employment Assistance Office bulletin board for easy access.

Disability Services: If a student has a documented physical or mental disability, he or she can receive assistance in finding accommodations for the classroom. More extensive accomodations require 6 weeks' notification prior to registration.

ACADEMIC SUPPORT

The S.O.A.R. Program (Student Options for Achievement and Retention) is an academic support program designed to provide students the opportunity to complete their chosen curricula by increasing their options for academic success. The program attempts to identify and provide support activities that extend beyond what would normally be offered at the College. First-generation college students, (neither parent has a four-year college degree), low-income students, or students with physical or learning disabilities qualify for the program. S.O.A.R. is sponsored jointly by Mayland Community College and the U.S. Department of Education, TRIO Programs, Washington, D.C. Services available include:

- **BASIC SKILLS DEVELOPMENT** — Trained instructors assist students with basic skill development in reading, math and English and provide supplemental assistance in related areas.
- **ACADEMIC, PERSONAL AND FINANCIAL COUNSELING** — S.O.A.R. staff can help students develop academic and personal goals. They also give assistance in researching all available financial resources.

• **FREE TUTORING/PEER MENTORING** — Tutors and Peer Mentors are available to assist students with coursework, give information, or provide study skills help or whatever students need to be successful.

• **TRANSFER HELP** — Eligible students may receive assistance in transferring to four-year colleges and universities. Trips to area colleges, information on possible courses of study and exploration of financial resources are offered.

• **ASSISTANCE FOR STUDENTS WITH DISABILITIES** — Services such as notetakers, recorded texts, student advocacy, etc. are available to students with disabilities. Students are asked to contact S.O.A.R. prior to registration if such services are needed.

STUDENT RECORDS

Upon receipt of the application for admission from a prospective student, a student record file is established by the Registrar's Office. It is the policy of the College that this student record file shall be used throughout the student's enrollment to collect and maintain pertinent basic data relative to the individual's admission and academic progress.

The contents of the student record file are as follows: application for admission, transcripts of the student's previous educational record, placement test results, summaries of admissions and academic progress interviews, medical history, residency questionnaire, correspondence related to admission and academic progress. The contents of the student record file are the property of Mayland Community College and are maintained in accordance with the *Family Educational Rights and Privacy Act of 1974.*

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT POLICY

The *Family Educational Rights and Privacy Act (FERPA)* affords students with certain rights with respect to their educational records. They are:

The right to inspect and review the student's educational records within 45 days of the day the College receives a request for access.

Students should submit to the Registrar, chief academic officer, head of the academic department or other appropriate official written requests that identify the records they wish to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the College to amend records they believe are inaccurate or misleading. They should write the College official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified to the right of a hearing.

The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception that permits disclosure without consent is to College officials with legitimate educational interests. A *college official* is a person employed by the College in an administrative, supervisory, academic, research or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another College official in performing his or her tasks.

A College official has a legitimate educational interest if the official needs to review an educational record in order to fulfill his or her professional responsibility.

The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA.

The name and address of the office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, DC 20202-4605.

HOUSING

Mayland Community College has no dormitory facilities. Students who wish to live away from home must make their own housing arrangements. The College takes no responsibility for locating or supervising student housing.

HEALTH SERVICES AND EMERGENCY PROCEDURES

Mayland Community College has no facilities or personnel for medical treatment other than for minor first aid and assumes no financial responsibility for injuries or sickness of students.

First aid supply kits are located in the kitchen area of the Student Commons, the Science Lab (Room 265 of the Administration/Classrom Building), the Auto Body Repair Building, the Public Safety Center, the Electrical Installation/Welding Building, the Phillips-Gwaltney Child Development Center and the main switchboard.

In the event of an emergency, accident or serious injury, individuals should notify the main switchboard operator or any of the following:

- Coordinator of Personnel Services
- Vice President of Student Development Services
- Safety Officer
- Vice President of Administrative Services
- Vice President of Instructional Services
- Night Administrator - who can be reached at either extension 292 or 306

The Safety Officer or administrator will determine the nature and extent of the emergency, accident or serious injury and take appropriate action.

Students suffering acute illness or injuries requiring more than minor first aid will be referred to the emergency room of Spruce Pine Community Hospital. When emergency medical assistance is needed, the Avery County Emergency Medical Services will be dispatched to the College. The student will be responsible for all costs incurred in such treatment.

Students must provide themselves with medical insurance to cover illness and injuries. Accident insurance covering accidents occurring at school or on school-sponsored activities is required of curriculum students each semester.

Students are encouraged to use the services of the health department in their counties of residence for such purposes as clinics, evaluation, X-rays, inoculations, health information, etc.

Avery County Health Department	733-6031
Mitchell County Health Department	688-2371
Yancey County Health Department	682-6118

Free pamphlets containing information about various health problems are available in the Student Development Services area.

COMMUNICABLE DISEASE POLICY

Individuals who have, or are perceived to have, a communicable disease or communicable condition shall receive fair and impartial treatment in all aspects of employment, administration of benefits, class attendance and Mayland Community College functions. In the case of an individual having a communicable disease or a communicable condition, employment or enrollment may be denied, terminated, or restricted only where it can be reasonably expected, given the condition of the individual and the known or reasonably suspected methods and manner of exposure, that there exists a real likelihood of transmission or infection to third parties by reason of continued or unrestricted employment or enrollment.

Persons who know, or who have reason to believe, they are infected with a communicable disease or communicable condition have an ethical and legal obligation to conduct themselves in accordance with such knowledge in order to protect themselves and others. An individual who knows, or who has a reasonable basis for believing, that he or she may be infected with a communicable disease or communicable condition is encouraged to obtain a medical diagnosis of his or her condition and share the results of the diagnosis with the Coordinator of Personnel Services, the Vice-President of Student Development Services, and/or the President.

No medical information relative to an individual's condition can be disclosed without that individual's permission except as required by state and/or federal law, or in an adversarial proceeding between the College and an individual whose employment or enrollment has been affected by reason of such conditions. In addition to safeguarding confidential medical information against disclosure, within the College, medical information is restricted to those with a legitimate need to know. The administration makes a concerted effort to ensure that access and dissemination is properly restricted to faculty and staff in the line of supervision, health care and legal advisors bound by confidentiality, and the Board of Trustees in closed session.

The College reserves the right to require an individual to undergo a medical examination by a physician or health professional chosen by the College whenever there is a question of the individual's fitness to attend classes and/or work, or where there is a reasonable basis for concern that an individual's condition could pose health or safety hazards for other persons. If an individual is diagnosed as having a communicable disease or communicable condition which poses health or safety hazards to others, the College will make every effort to provide reasonable accommodations to allow the individual to continue their work or study.

SPORTS

Mayland Community College does not presently participate in intercollegiate athletic competition. Students are encouraged to participate in basketball, softball or other teams that compete in local recreation leagues. This is organized by the Vice President of Student Development Services.

To begin a new sports activity, students may contact the Vice President of Student Development Services. If student interest is sufficient and a faculty or staff advisor can be secured, the activity may be approved and funded with student activity funds.

SAFEPLACE AT MAYLAND

SafePlace at Mayland is a satellite office of Mitchell County SafePlace-a shelter for victims of domestic violence in Spruce Pine. SafePlace at Mayland (S@M) serves the Mayland community with assistance, support and educational materials, including a library of books, videotapes and handout materials pertaining to domestic violence, rape, and sexual assault. The S@M office is located in the Administration/ Classroom Building. The telephone number is ext. 269, (828) 765-7351 or 1-800-4-MAYLAND.

PEER MENTORS

Peer Mentors offer assistance to fellow students by serving as a resource concerning personal or academic concerns. New students are encouraged to seek this service in the S.O.A.R. Program office. Peer Mentors are full-time students who have completed at least one semester of coursework.

CHILD CARE

The Phillips-Gwaltney Child Development Center (PGCDC), MCC's self-supporting laboratory school, offers quality childcare for students, MCC staff and faculty and the community. The Center provides a safe and nurturing environment that promotes the physical, social, emotional, cognitive and creative development of young children while responding to the needs of families. Through play, the children at PGCDC learn to solve problems, make choices, develop social skills and form patterns for learning.

The Center boasts an 5-star rated license, as well as being accredited through the National Association for the Education of Young Children (NAEYC). This prestigious accreditation has only been awarded to 2% of North Carolina's childcare facilities. Teachers at PGCDC are very qualified in child development, with all lead teachers degreed in Early Childhood. Giving children the very best beginning they

can have is the focus of the Center. Phillips-Gwaltney accepts applications on a first-come, first-served basis. Waiting lists are very common for most rooms, and MCC students are given first priority.

To accommodate the great need for quality childcare, PGCDC opens at 6:00 am and closes at 5:30 pm, Monday through Friday. Nutritious meals, including breakfast, lunch and an afternoon snack, are provided. PGCDC also offers extremely competitive rates. Various childcare subsidy plans are available from Departments of Social Services, JOBS, Workforce Investment Act, Departments of Labor and MCC child care grants.

For more information, come by the Center and peek into the various classrooms through our observation windows to see what's going on. **There's magic at PGCDC...we're creating the future of tomorrow.** Call Liz Silvers or Regina Daniels at 765-1401 to learn more about the magic taking place at the Phillips-Gwaltney Child Development Center.

STUDENT CONDUCT POLICY

Students are expected to conduct themselves as mature and responsible individuals at all times, showing high regard and respect for the rights, privileges and property of others, including college facilities and property. Student behavior is subject to federal, state and local laws.

Students are expected to perform honest academic work and follow established College policies and procedures.

Violation of any College regulations or applicable federal, state or local statutes may result in administrative action up to and including suspension or expulsion.

SEXUAL HARASSMENT POLICY

It is the policy of Mayland Community College that sexual harassment in any form is not tolerated at the institution. The College does not condone the sexual harassment of its students, faculty or staff. All students found in violation of this policy shall be subject to disciplinary action up to and including suspension or expulsion from the College.

Sexual Harassment is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature when:

1. submission to such conduct is made either explicitly or implicitly a term or condition of an individual's academic performance; or
2. submission to or rejection of such conduct by an individual is used as a basis for academic decisions affecting such individual; or
3. such conduct has the purpose or effect of unreasonably interfering with an individual's academic performance or creating an intimidating, hostile, or offensive academic environment.

The creation of an intimidating, hostile, or offensive environment may include such actions as persistent comments on a student's or employee's sexual preferences or the display of obscene or sexually oriented photographs or drawings.

Sexual harassment does not include personal compliments welcomed by the recipient or social interaction or relationships freely entered into by students, prospective students or employees.

In an effort to prevent sexual harassment from occurring at the institution, Mayland Community College encourages the reporting of any incidents of sexual harassment and provides a just procedure for the presentation, consideration and disposition of sexual harassment grievances.

The College also prohibits any interference, coercion, restraint or reprisal against any student or employee who files a grievance concerning an occurrence of alleged sexual harassment. Grievances alleging sexual harassment in any form should be made as soon after the incident as possible to the Vice President of Student Development Services by students and to the Coordinator of Personnel Services for employees.

STUDENT GRIEVANCE POLICY

A student grievance is any matter of concern or dissatisfaction within the control of the College, except the content of college policies.

Mayland Community College provides a just procedure for the presentation, consideration and disposition of student grievances. The purpose of this policy is to assure all students that their grievances will be answered quickly and decided fairly without threat of reprisal, while providing for the orderly resolution of student grievances. If the grievance is concerned with suspension or expulsion, the student who requests the hearing will be allowed to remain in college until the grievance process is complete, unless, in the opinion of the Vice President of Student Development Services, he/she poses a threat of danger or disruption to persons or groups within the College.

In all cases of student grievances, the Board of Trustees of Mayland Community College shall serve as the final arbiter of appeals that may be made by the student(s) concerned.

Information on the procedure a student follows to file a grievance may be obtained by consulting the *Student Handbook* or contacting Student Development Services.

STUDENT ORGANIZATIONS AND ACTIVITIES

Mayland Community College encourages student participation in extracurricular activities. Such participation plays an important role in leadership development and in the general, social and educational growth of the student.

Student organizations are sanctioned by the Student Development Services Office and may be given operational funds by the Student Government Association. All organizations must have an active faculty or staff sponsor. To begin a new organization, a student should talk with the Vice President of Student Development Services. The *Student Handbook* outlines the procedures for establishing student organizations.

EARLY CHILDHOOD STUDENTS' ASSOCIATION

The Early Childhood Students' Association (ECSA) is organized for students enrolled in MCC's Early Childhood Associate program. It provides networking and educational opportunities for members.

PHI THETA KAPPA

The Alpha Pi Kappa Chapter of Phi Theta Kappa International Honor Society is an active part of activities at Mayland Community College. This honor society emphasizes four hallmarks—Scholarship, Leadership, Service and Fellowship. At MCC, members are required to have a cumulative grade point average of 3.25, be enrolled in an Associate Degree program, and have a minimum of 12 semester hours completed at MCC in courses above the 100 level. Leadership conferences sponsored by the Carolinas Region are held annually. The *Donn Lorenz Scholarship* is awarded annually to a returning PTK member with preference given to PTK officers.

STUDENT GOVERNMENT ASSOCIATION

The Student Government Association (SGA) at Mayland Community College is the official voice of the student body. As such, it not only represents the students but also works with SGA advisors to provide social, educational, cultural, recreational and service activities for the school and the community. The SGA President is also an ex-officio member of the College's Board of Trustees.

SGA meetings are held monthly. Any interested student or staff member is invited to attend and to participate in the planning of activities. Voting privileges are reserved for senators and officers.

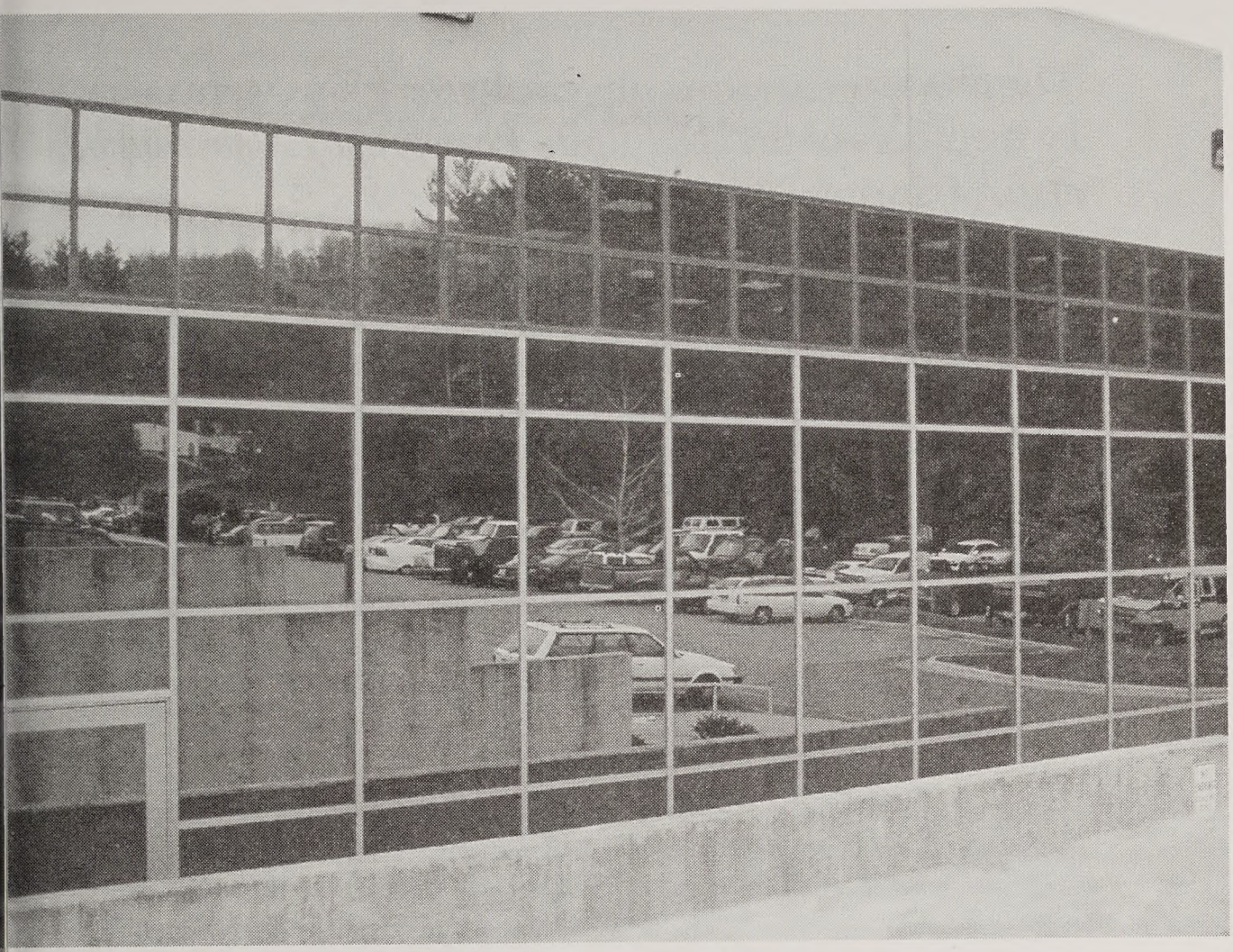
SGA officers are elected from the student body, while senators are selected from each curriculum program in accordance with the organization's constitution. Responsibilities and powers of the SGA are those specified in its constitution and approved by the College's Board of Trustees. Copies of the *SGA Constitution* are located in the SGA Office.

STUDENT NURSES' ASSOCIATION

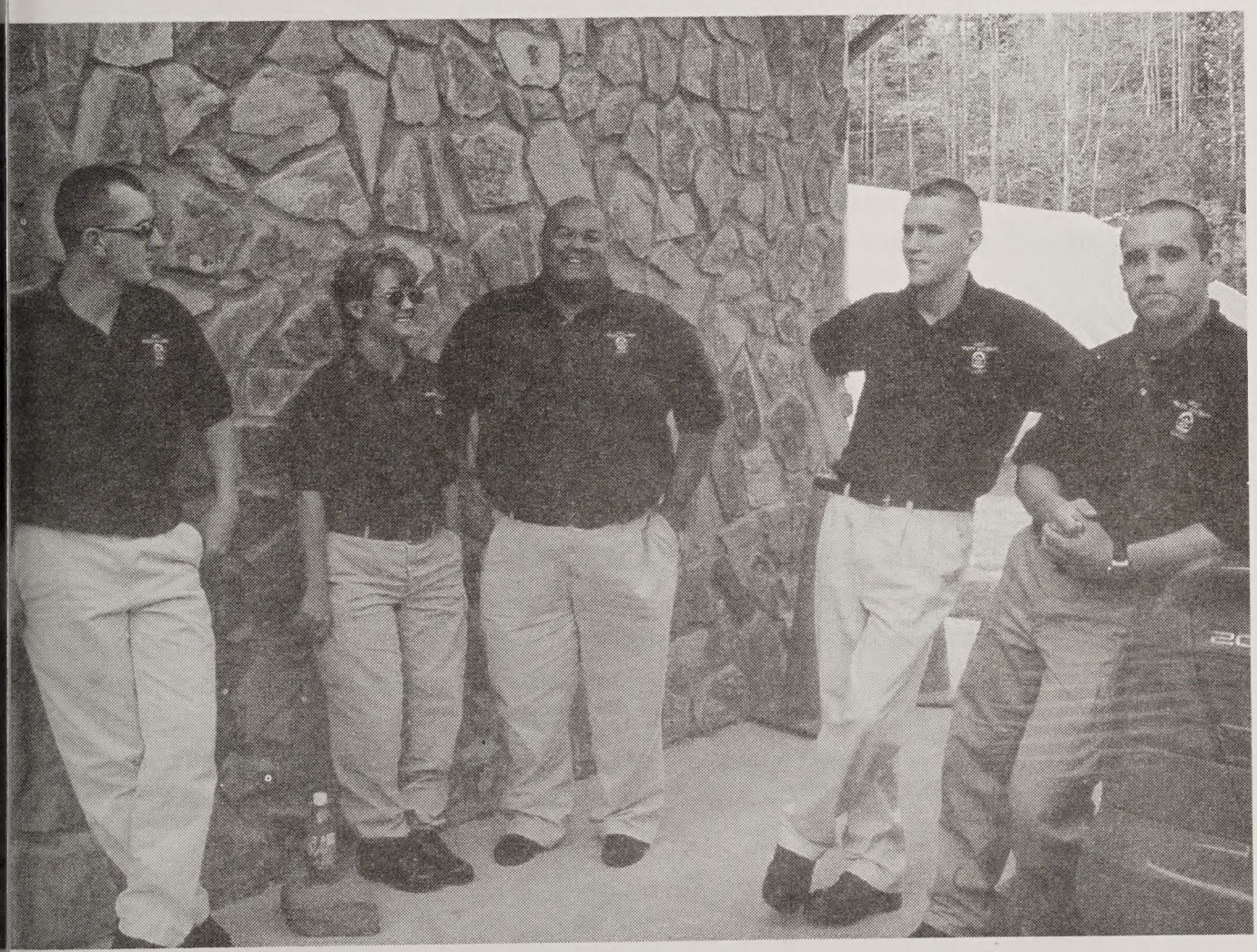
The Student Nurses' Association (SNA) is designed to benefit those enrolled in the Nursing programs at the College. All nursing students are encouraged to participate in this organization. Some advantages of membership in the SNA include:

- opportunity to participate in the professional nursing organization students
- opportunities to meet with other nursing students
- reduced first-year dues in the NC Nurses' Association (the RN professional organization)
- career launching seminars and services
- participation in community services
- rewarding contest and scholarship opportunities
- reduced rates on products and services

The SNA advisor or any nursing instructor can provide more information.



ACADEMIC REQUIREMENTS



The photos separating our catalog sections were taken by members of the *ART 260 - Photography Appreciation* class of Spring, 2001 at Mayland.

TOP PHOTO by Jamie Yeater
BOTTOM PHOTO by Alicia McMahan

III. ACADEMIC REQUIREMENTS

REGISTRATION

Curriculum students are expected to register for courses on the days specified on the calendar in the front of this Catalog. A $5.00 processing fee will be charged if a student registers after this date.

FACULTY ADVISING SYSTEM

Each student is assigned to a faculty advisor within the department he/she plans to enter. The student is notified of the name of his/her advisor in the registration instruction letter sent to new students at the beginning of each semester.

The faculty advisor is available to assist the student in planning a program of study and registering for classes at the beginning of each semester.

While enrolled at Mayland Community College, the student is encouraged and may be required to seek out his/her faculty advisor as a continuing source of help.

COURSE LOAD

Students enrolled for 12 or more semester hours during the fall or spring semester are classified as full-time students. Students enrolled for 9 or more semester hours during the summer are classified as full-time students. Normal course loads will vary from one curriculum to another and from one semester to another. Normal course loads are outlined, by department, in this Catalog. Students must have the permission of their advisors and the Vice President of Instructional Services in order to carry more than 18 credit hours. Students in the Associate Degree Nursing program are exempt from this maximum load.

ATTENDANCE

Students are expected to be present and on time for all scheduled classes. Each course has an attendance policy, which will be issued to the student at the first class.

In case of inclement weather, students are responsible for making their own decisions about road safety.

The student will be held responsible for all academic requirements regardless of class attendance.

Students enrolled in mandated law enforcement training must meet attendance requirements as set forth in Title 12 Chapter 9 of the NC Administrative Code.

INCLEMENT WEATHER POLICY

Mayland Community College and the Phillips-Gwaltney Child Development Center will close when prevailing weather conditions are such that travel is deemed to be hazardous. This procedure has been developed to facilitate the communication of information regarding College operations during such periods.

The decision to postpone or cancel any activity at Mayland will be made jointly by the President and the Administrative Council. The decision will be made and communicated as quickly as possible. However, the unpredictable nature of moun-

tain weather may require that changes in schedule be made quickly and on short notice.

In all periods of inclement weather, students, faculty and staff are reminded to use good judgment when making travel decisions. Life and safety are to be the primary considerations. While individuals are expected to give due consideration to their responsibilities for attendance, the College recognizes and expects that adults must ultimately make their own decisions about attendance and accept the responsibility for them.

Depending on weather conditions prevailing in the majority of the College service area, the following options will be employed relative to College operations:

Option A: Operate on a regular schedule with no delay.
Option B: Operate on a delayed schedule, with staff reporting at 9:00 am and classes for students beginning at 10:00 am
Option C: Classes are canceled. Staff reports at 10:00 am
Option D: The College is closed for students, faculty and staff.

Mayland Community College recognizes its obligation to deliver the instructional services for which its students have paid tuition and fees. Therefore, the College makes a good-faith effort to make up all classes missed due to inclement weather. Adjustments in the College calendar for days missed may be made during or at the end of the academic term.

SCHEDULE CHANGES

Students may change their schedules of classes during the drop-add period (5 days after registration day) without academic penalty. Course changes must be processed by the advisor.

WITHDRAWAL PROCEDURES

A students who withdraws from the College during any semester should first consult with his or her ARA.

To withdraw from the College, the student will use the following procedures:

1. Obtain a drop-add form from the ARA and complete an exit interview.
2. Complete the drop-add form by listing each course being dropped and secure the necessary signatures.
3. Return completed form(s) to the Registrar's Office by specified date.

UNCONDITIONAL WITHDRAWAL:

During the first third of any given semester, students may withdraw from a course by completing a drop form. Students withdrawing during this time will receive a grade of "W" which holds no academic penalty.

CONDITIONAL WITHDRAWAL:

During the second third of the semester, students withdrawing from a course must complete a drop form and will be given a grade of "WP" or "WF" at the discretion of the instructor according to the quality of the student's performance.

NO WITHDRAWAL:

During the final third of the semester, students will not be allowed to withdraw from registered coursework. Exceptions to this procedure will be granted only in extreme circumstances (for example, medical emergency) and must be approved by the instructor of the course, division head, and Vice President of Instructional Services.

CURRICULUM COURSE REPETITION PROCESS

A student may repeat a curriculum course twice for which he or she earned a grade of "C" or higher. This means the student can take the course three times. A student wishing to repeat the same curriculum course more than twice (having taken the course three times) shall enroll on an "audit" basis. Any exception must have the prior written approval of the Division Dean and the Vice-President of Instructional Services

When a student repeats a course, the last grade is recorded as the final grade for the course and only the last hours attempted are counted in determining the student's grade point average. However, the previous grade will remain part of the permanent record. The last grade earned will become the grade of record even if it is a lesser grade.

Veterans cannot receive VA benefits for repeating courses previously passed with a grade of "D" or higher.

Any student failing a prerequisite course must repeat and pass the prerequisite prior to taking the next course in the sequence. Any exception must have the prior written approval of the Division Dean and the Vice-President of Instructional Services. A student must pass all required courses in the selected curriculum prior to graduation.

COURSE SUBSTITUTIONS

Course substitutions involve only courses taken in the same discipline and for at least the same credit hours. Students may request a course substitution, which must be approved by the advisor, the Division Dean and the Vice President of Instructional Services. After the approval process, course substitutions are sent to the Registrar.

REMOVAL OF INCOMPLETES

An "I" or "Incomplete" grade indicates that a student has done passing work in a course but because of unusual circumstances, the student failed to complete some portion of the required work. Unless this incomplete is removed before the end of the succeeding semester, the "I" will automatically be changed to an "F." This removal period can be extended only by the Vice President of Instructional Services. In the absence of the instructor, the Division Dean will set the criteria for the removal of an "I" grade

TRANSFER OF CREDITS TO MCC

Credits transferred from another school may be substituted for MCC courses if the content of the courses to be transferred is substantially the same as that of the required courses. At least one-fourth (25%) of the credit required for a degree, diploma or certificate must be completed at Mayland Community College.

Credit from another school with a grade below a "C" will not be accepted.

Credit for previous educational experiences that happened more than seven (7) years before the date of enrollment is not automatic but may be granted by the Registrar, in consultation with the Division Dean and Vice-President of Instructional Services.

Credits earned at another institution will not be considered in the computation of a student's grade point average.

PROCEDURES FOR TRANSCRIPT EVALUATION

1. An official transcript of post-secondary credits earned will be requested by the student to be released to MCC.
2. The Registrar will evaluate all transcripts of previous education according to the above stated policies after receiving all post-secondary transcripts.
3. Courses determined by the Registrar to be applicable to the MCC credits will be recorded on his/her permanent record and designated as transfer credit(s). In questionable cases, the Registrar will consult the Division Dean(s).
4. A copy of the student's *Transcript Evaluation Form* listing the transfer credit will be sent to the student and the student's advisor.

TRANSFER OF CREDITS TO OTHER SCHOOLS

Credits earned in curriculum programs may frequently be transferred to other colleges and universities. Students planning to transfer to another institution prior to or after completion of a degree program at Mayland should consult a counselor in Student Development Services to determine the transferability of courses from Mayland to another institution.

Any student planning to transfer should obtain a catalog from other institutions to which he or she intends to transfer. By working closely with advisors and counselors at Mayland and other institutions, the student can maximize the likelihood of receiving credit for Mayland courses at another institution.

RELEASE OF TRANSCRIPTS

In accordance with the *Family Educational Rights and Privacy Act of 1974*, an official transcript of a Mayland Community College academic record will be released by the Registrar to a third party only upon receipt of a written request from the student-owner of the record. A transcript labeled "Student Copy" will be furnished directly to the student. Students should allow a reasonable time for the Registrar to respond to transcript requests.

Mayland Community College's Privacy of Student Education Records Policy is published in the *Student Handbook*.

PROFICIENCY EXAMINATIONS

Credit for past experience and/or education may be allowed if a student can demonstrate, by examination, the level of proficiency required in a particular course. The student has the responsibility of demonstrating to the department head within the first five school days of a semester that a proficiency exam is proper. The test(s) used will always reflect the objectives of the course to be exempted. The Division Dean has the authority to accept or deny such a request.

The credit will be based on a departmental examination administered at the direction of the department head in which the course is offered.

After a student has successfully completed an examination and a determination has been made on credit to be awarded, the Division Dean will forward to the Registrar a copy of the examination for inclusion in the student's permanent academic record, the course number and the credit to be awarded. That information will be entered by the Registrar on the student's transcript. No quality points will be awarded.

Credit through *College Level Examination for Placement* (CLEP) scores or high school *Advanced Placement* (AP) scores will be assigned on an individual basis. The decision of how many credits and which course(s) can be exempted will be made by the Vice President of Instructional Services.

CREDIT FOR EXPERIENTIAL LEARNING

A student may present a file or portfolio of information to the respective Division Dean for the purpose of justifying academic credit for past experiences. The Division Dean will either forward the file or portfolio to the Vice President of Instructional Services and recommend the number of academic credits to be awarded or require the student to provide additional information on which to base a decision. A final determination on the credit to be awarded to the student will be made by the Vice President of Instructional Services upon receipt of the recommendation from the Division Dean. All documentation leading to the awarding of credit for experiential learning will be filed with the Registrar. Under no circumstances will more than 25% of the required hours for degree, diploma or certificate be awarded for experiential learning.

CREDIT FOR MILITARY TRAINING

The *Guide To The Evaluation of Educational Experiences In The Armed Services* will be used to evaluate military training. The Registrar will consult with the Division Dean before awarding academic credit.

GRADING SYSTEM

The curriculum student's work is evaluated according to the letter-grade system. Course grades are issued to the student at the end of each semester and recorded on the student's transcript. Grades for courses at 100-level and above will be averaged according to grade point equivalents to determine the student's academic standing. Grades for courses below 100-level will be accompanied with an asterisk (*) and the grades will not be calculated in the determination of the student's overall grade

point average for student transcript purposes. When a course is repeated, the last grade recorded is the final grade for the course, and only the last hours attempted are counted in computing total credit hours and in determining the student's grade point average.

ACADEMIC FORGIVENESS

Academic Forgiveness is available to Mayland Community College students. This does not affect work either taken at or transferred to another college. Academic Forgiveness is available ONCE in a student's career at Mayland Community College.

1. The student must apply for Academic Forgiveness no later than the end of the second term after re-enrollment at Mayland Community College.
2. The student applying for Academic Forgiveness must make an appointment with a designated academic advisor.
3. The designated academic advisor will explain the Academic Forgiveness Program:
    - The student must meet all requirements for readmission to the selected certificate, diploma, or degree program.
    - At least five (5) years must have elapsed between the end of the term in which the student was last in attendance and the term in which the student intends to re-enroll. Academic Forgiveness applies only to the course work taken prior to the term of re-enrollment. Academic Forgiveness does not affect the grades earned after re-enrollment.
    - The prior academic record will remain a part of the student's tran script, but only grades "C" or better will be carried forward as a part of new program(s) to which the student is admitted.
    - Granting of Academic Forgiveness will not affect or alter a student's access to financial aid or scholarships from any source unless specific governmental or agency laws and/or regulations prohibit such awards. A student who plans to receive any type of student aid, should discuss the impact of Academic Forgiveness on his/her financial resources with the appropriate student aid advisor. It is the student's responsibility to notify the Financial Aid Office if applicable.
4. The student will then complete the Academic Forgiveness application (available from the Registrar).
5. The designated academic advisor will make a recommendation concerning the granting of Academic Forgiveness. The application will then be sent to the appropriate Division Dean for review. Recommendations for approval will then be forwarded to the Vice President of Instructional Services for final approval.

Finally, the application will be forwarded to the Registrar for processing and distribution to the appropriate academic advisor, financial aid officer, and the student. Grades for courses granted Academic Forgiveness will be in parentheses and will not be calculated in the determination of the overall grade point average for transcript purposes.

GRADE INTERPRETATION

		Grade Point Equivalent
A	An honor mark assigned for work of highest quality.	**4** points per credit hour
B	A mark assigned for work of above-average quality.	**3** points per credit hour
C	A mark assigned for work of average quality.	**2** points per credit hour
D	A mark assigned for work of minimum quality.	**1** point per credit hour
F	A mark assigned for work below minimum quality.	**0** points per credit hour
I	A special mark used only for students who cannot complete course work because of extreme hardship. The student must present a request for this mark to the respective instructor.	Not Computed
PR	Indicates that a student passed a proficiency examination to meet the requirements of the course.	Not Computed
R	Course Repeated	Not Computed
S	The student has met the requirements of the course satisfactorily	Not Computed
SP	Indicates work of acceptable quality in a course that has not been completed.	Not Computed
U	The student has not met the requirements of the course satisfactorily	**0** points per credit hour
W	A mark assigned for students dropping a course during the first third of the semester	Not Computed
WF	Indicates that the student's work is below minimum quality at the time of withdrawal.	**0** points per credit hour
WP	Indicates that the student's work is of acceptable quality at the time of withdrawal.	Not Computed
WA	Administrative withdrawal	Not Computed
Y	Audit	Not Computed

ACADEMIC PROGRESS SYSTEM

Academic Progress System (APS): The APS system was designed to realize three stated goals: (1) programmatic excellence, (2) student support and (3) prudent use of local, state and federal resources. The intention is to communicate the standards of our programs and, more importantly, to identify early those students who are having difficulty progressing through their curricula and connect them with relevant college services that might be of assistance. There are three levels to the APS – Academic Warning, Probation and Suspension.

ACADEMIC WARNING

If either or both of the following conditions are met at the conclusion of any given semester, a student will be placed on Academic Warning and required to consult his/her Admission/Retention Advisor (ARA) before progressing into the next semester.

- If a student registers for 13 or more semester hours and withdraws (all "W" codes) from more than 50 percent of those hours.
- If a student fails to maintain the cumulative GPA stated in the following scale:

Credit Hours Attempted	Minimum Grade Point Average
1-23	1.50
24-31	1.75
32 and above	2.00
Certificate Program	2.00

Students placed on academic warning will be required to complete an Academic Progress Plan to be signed by the Vice-President of Student Development Services, their ARA and their faculty advisor before being allowed to take classes in the next semester. Additionally, students are urged to limit semester hours of enrollment to 15 hours or less to further ensure a focus on completion and course success. Students on academic warning cannot preregister for the next semester, unless a waiver is given by the Vice-President of Student Development Services based on mid-semester progress reports. ***Students will remain on academic warning until their cumulative GPAs surpass the levels listed above.***

ACADEMIC PROBATION

If a student on academic warning fails to (1) achieve a 2.00 GPA or above for any semester's registered classes or (2) withdraws from more than 50 percent of any semester's registered classes after the drop/add period, he/she will be placed on Academic Probation. Students placed on Academic Probation will be required to limit semester hours of enrollment to 13 or less to further ensure a focus on course completion and academic success. It is important to note that Academic Probation is a ***one semester classification***. If, in the next semester, a student (1) achieves a 2.00 GPA or above for all registered classes and (2) completes more than 50 percent of all registered coursework, he/she will no longer be on academic probation and will not be subject to its restrictions (i.e., total hours of enrollment limitation). However, if a student's cumulative GPA is still below the levels required for good standing (listed in Academic Warning section), he/she will again be placed on Academic Warning. Students on Academic Probation cannot preregister for the next semester.

ACADEMIC SUSPENSION

If a student on Academic Probation (1) fails to achieve a 2.00 or above for all registered classes or (2) withdraws from more than 50 percent of registered coursework after the drop/add period, he/she will be placed on Academic Suspension. Students placed on Academic Suspension will be required to withdraw from MCC

for at least one semester. The second suspension will result in two required semesters of withdrawal. After the semester of suspension, a student will be allowed to petition for readmission. The petition must include a justification for readmission statement prepared by the student. Readmission must be approved by the student's ARA, faculty advisor, Vice President of Student Development Services and the Vice President of Instructional Services. Upon re-enrollment, the student will be placed on Academic Probation and subject to that classification's restrictions and requirements.

ACADEMIC PROGRESS NOTIFICATION

All students on Academic Warning, Probation or Suspension will be notified of their academic standing by a letter from the Vice President of Student Development Services. The letter will explain the steps needed to be taken by the student. Students not in good standing will have a registration flag placed on their file by the Registrar's office. This flag must be removed prior to registration for the subsequent semester. The Vice-President of Student Development Services will contact the Registrar's office when an Academic Progress Plan has been established and the flag can then be removed. Those who fail to comply with their classification's requirements within the first four weeks of the semester will be administratively dropped from all coursework.

Students who are on academic warning cannot preregister for the next semester, unless a waiver is given by the Vice-President of Student Development Services based on mid-semester progress reports. Students on probation **may not** register until they have completed the semester.

EVALUATION OF PROGRESS FOR FINANCIAL AID

The academic progress of students receiving educational benefits will be evaluated at the end of each semester. Benefits will be terminated if the student fails to maintain the cumulative GPA stated in the MCC Academic Progress System scale.

Students who lose their benefits because of unavoidable circumstances may have them extended by appealing in writing to the Financial Aid Committee; however, GPA and progress standards must be met the following semester.

RE-ESTABLISHING FINANCIAL AID BENEFITS

A students who loses educational benefits may re-establish them by successfully completing six semester hours at Mayland Community College with at least a 2.00 GPA while not receiving educational benefits.

ACADEMIC HONORS

In recognition of students with outstanding academic records, the *President's List*, *Dean's List* and *Honors List* will be published at the end of each semester. To qualify for the *President's List*, a student must take a minimum work load of 12 semester hours credit and maintain a 4.00 grade point average with no incompletes. To qualify for the *Dean's List*, a student must take a minimum work load of 12 hours credit and maintain at least a 3.50 grade point average with no incompletes. To qualify for the *Honors List*, a student must take a work load of 6-11 hours credit and maintain at least a 3.50 grade point average with no incompletes.

REQUIREMENTS FOR GRADUATION

A student is eligible for graduation when he/she (1) has satisfactorily completed the academic requirements of the curriculum; (2) has an overall grade point average of 2.0; (3) has met all financial obligations to Mayland Community College; and (4) has completed an application for graduation before the deadline set each year by the Vice President of Student Development Services.

In order for a student to participate in the graduation ceremony, the student must file appropriate requests by the deadlines set each year by the Vice President of Student Development Services. This is to ensure that diplomas, programs, et cetera may be prepared.

Students who plan to complete their requirements for graduation in the summer will be allowed to participate in the graduation ceremonies if they are able to complete their required credit hours during the summer session.

HONORS

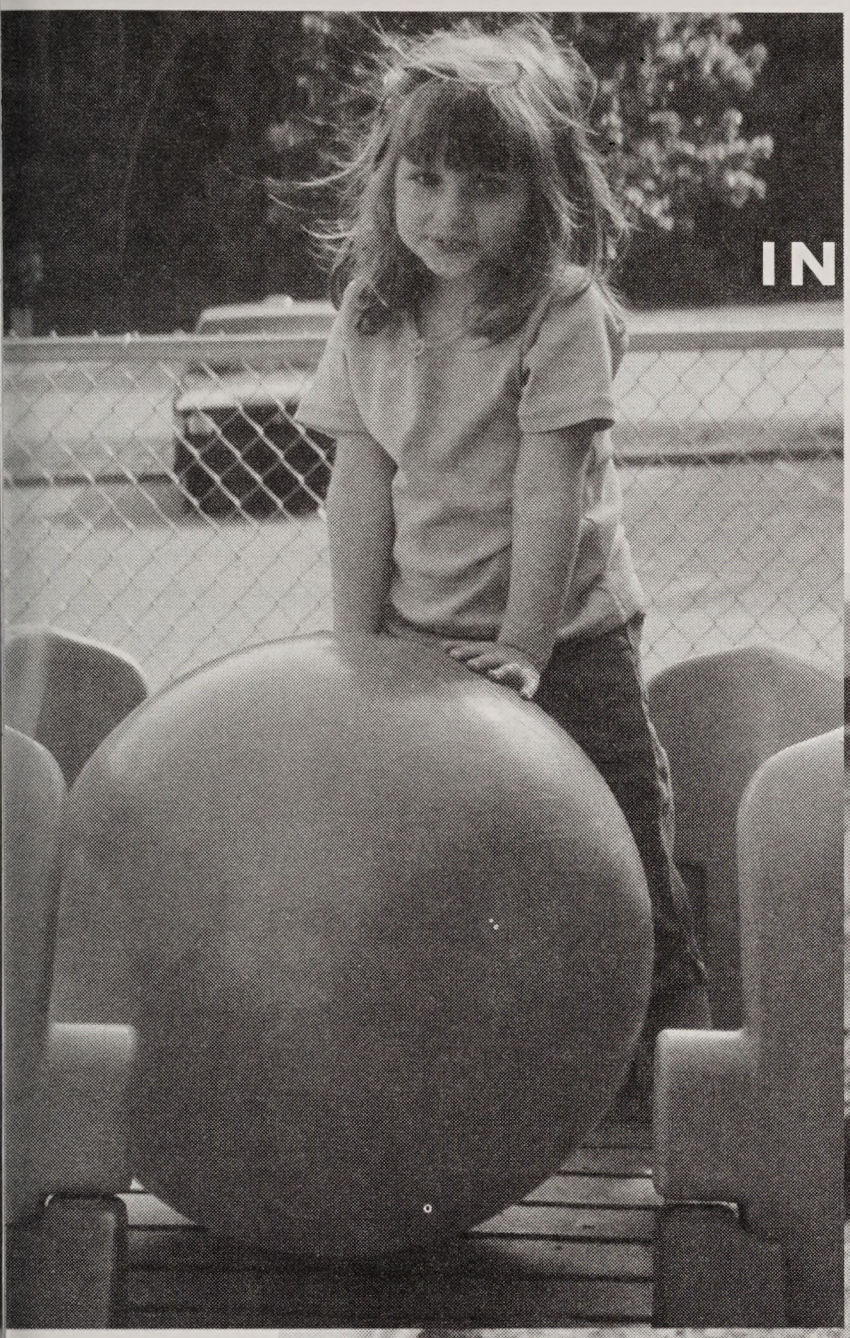
A graduating student who has earned an overall quality point average of 3.50 or better on all work completed at Mayland Community College will receive his or her diploma or degree with "honors."

SELECTION OF COMMENCEMENT MARSHALS

Marshals will be selected from members of active student organizations who have a GPA of 3.25 or above. The Chief Marshal will be the participating marshal with the highest GPA.

DEGREES, DIPLOMAS AND CERTIFICATES

Mayland Community College confers the following: Associate in Applied Science, Associate in Arts, Associate in Science, Associate in General Education, diplomas, certificates and General Education Development (GED) certificate.



INSTRUCTIONAL SUPPORT SERVICES

The photos separating our catalog sections were taken by members of the *ART 260 - Photography Appreciation* class of Spring, 2001 at Mayland.

TOP and BOTTOM PHOTOS by Kishia Moore

IV. INSTRUCTIONAL SUPPORT SERVICES

THE LEARNING RESOURCES CENTER

The Learning Resources Center (LRC) acts as both an instructional support system and an information network. Services are provided not only to the faculty, staff and students of Mayland Community College, but also to any resident of Avery, Mitchell or Yancey counties. Resources include both print and non-print materials, electronic resources, audio-visual equipment and workshops/orientations.

The LRC is located on the second floor of the Administration/Classroom Building and is open both day and evening Monday through Thursday and during the day only on Friday. It is in operation every day that Mayland Community College is open and has reduced hours during semester breaks.

The collection is automated through an integrated system and is organized using the *Library of Congress* classification system. Most books circulate for a three week period. Non-print materials circulate overnight. Periodicals do not circulate.

Through CCLINC (Community College Libraries in North Carolina), Mayland is networked with more than 40 other North Carolina Community College Learning Resources Centers, making us a part of the third largest library in North Carolina public educational institutions.

INTERLIBRARY LOAN

If a patron is in need of materials not in the collection, the LRC may borrow these from other libraries through an online interlibrary loan system. At times, a fee is charged to the LRC which is passed along to the patron. Most requests are filled within one to six weeks.

ELECTRONIC RESOURCES

The LRC provides access to a number of electronic resources through our own subscriptions and through NCLIVE. Many of these databases are full-text, which means that the researcher may locate, print and/or download information without moving from the computer. The LRC also provides access to the Internet. All computers, electronic resources and Internet must be used within MCC's Computer Policy. The LRC staff will help students obtain a password.

APPALACHIAN ROOM

The Appalachian Room contains 4 specialized collections of materials pertaining to genealogy in general and our own region in particular. These collections are: Genealogy, Appalachian Studies, North Carolina and the Harvey J. Miller Memorial Collection. Materials are available for the novice researcher as well as for the more experienced one. Although the materials from the Genealogy Collection do not circulate, selected books from other collections may be borrowed. Due to the value of the material in this area, the door is kept locked; however, the circulation desk attendant is available to let patrons in and give limited assistance. Microfilm to supplement research in the Genealogy area is available on inter-library loan. Patrons need to check at the circulation desk for details.

TELECOMMUNICATIONS

A satellite receve system is available for use in teleconferences, telecourses and other educational purposes. The community is encouraged to make use of this capability.

AUDIO-VISUAL SERVICES

Audio-Visual (AV) Services provides equipment to support the curricula at Mayland Community College. The LRC staff is available to assist with equipment questions. AV equipment is available for checkouts by faculty, staff and other qualified patrons. Reserving needed equipment ahead of time is highly recommended.

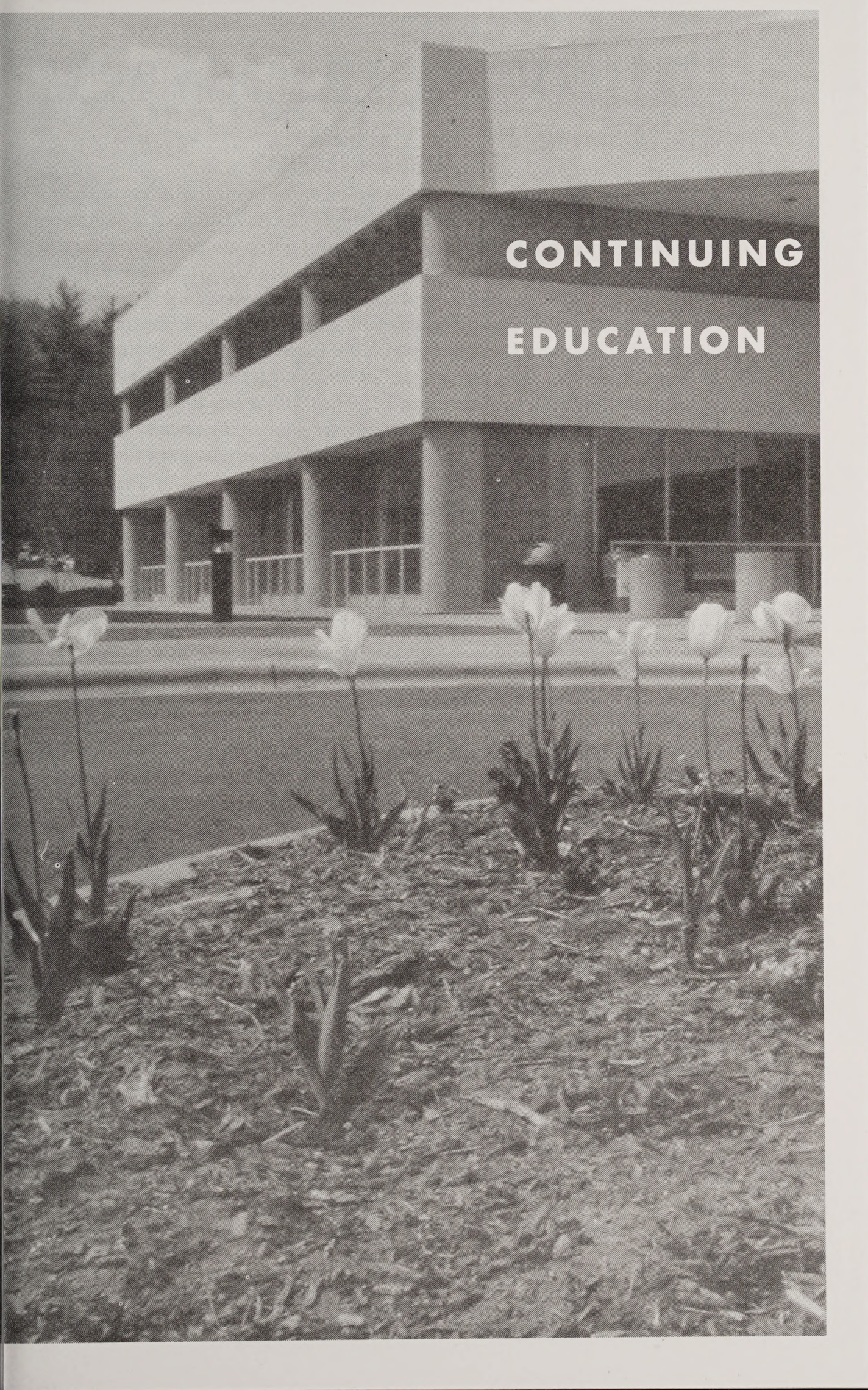
OTHER INFORMATION

- Orientation is conducted for new students and is a requirement of ACA 111. A patron requiring special assistance should check with the circulation desk attendant to have time blocked off for a particular need.
- A security system is installed to ensure the proper checkout of all LRC materials.
- A photocopier is located near the circulation desk. The person on duty is available to assist patrons in its use and to collect money owed for copies.

MCC DISTANCE EDUCATION

Distance learning is defined as the interaction of learner and instructor that occurs when the two are separated by place and/or time. The learning experience is designed around the needs of the learner. Distance education at Mayland Community College shall provide every available opportunity for an individual to pursue education that will enhance professional and personal well-being. This form of education is a convenient and increasingly popular mode of delivery, freeing the learner from time and location constraints - constraints often viewed as major barriers preventing individuals from attending college. Mayland shall offer such high-quality distance education options as telecourses, Internet-based courses, independent study courses, interactive television courses, or any other means to ensure accessibility to College programs and services.

The Regional Audio-Video Education Network (RAVEN) is a distance education system featuring methods of delivering instruction to students via videotape, interactive audio-video hookups between MCC and remote locations and the Internet. The RAVEN system is currently under development, with courses to be added as technologies are installed and classes are offered. The Dean, Learning Resource Center/Distance Education can answer questions about Distance education or RAVEN.


CONTINUING
EDUCATION

The photos separating our catalog sections were taken by members of the *ART 260 - Photography Appreciation* class of Spring, 2001 at Mayland.

PHOTO by Alicia McMahan

V. CONTINUING EDUCATION PROGRAMS

GENERAL INFORMATION

An important function of the College is to provide a variety of courses for the continuing education of adults. The development of these courses is based upon the needs and interests of the professional, business, industry, civic and cultural communities.

Continuing Education promotes the concept of lifelong learning by providing meaningful educational experiences that will help adults meet occupational and professional goals and fulfill social and personal needs. Courses and programs are offered to allow adults to achieve their fullest potential in our ever-changing world of knowledge, skill and understanding. The diversity of these programs ranges from basic reading and writing skills to vocational and technical upgrading and cultural and personal enrichment.

CLASS LOCATIONS

While some classes are held on the Mayland Community College Main Campus and at the Avery and Yancey Campuses, others are conducted or may be organized in surrounding communities or within particular businesses or industries throughout Avery, Mitchell and Yancey counties.

ADMISSION

Admission to Continuing Education classes is open to individuals 18 years of age or older. Individuals younger than 18 years old who are high school graduates or whose high school class has graduated may also enroll in Continuing Education courses. High school juniors and seniors, 16 years of age and older, may enroll with permission from high school officials. There are no formal education requirements for most Continuing Education courses. Individuals interested in attending Continuing Education courses may register by attending the first class, but preregistration is preferred for classes. Applicants are accepted on a first-come, first-served basis. Some courses, such as real estate and emergency medical technician, require minimum placement test scores prior to enrollment.

CLASS SCHEDULE

Classes are normally scheduled on a semester basis with new classes beginning in August, January, and June. Special seminars, business, and industrial courses may be scheduled to begin at any time appropriate for the company and Mayland Community College. Courses last an average of 4 to 11 weeks, depending on the nature of the course. However, some classes are offered on a short-term basis and some may continue up to 17 weeks. Information about classes is released regularly through the local news media. Semester class schedules and updates are published and distributed by the College.

MINIMUM ENROLLMENT REQUIRED

Normally, a course will be offered when a minimum of ten persons enroll for the subject. The College reserves the right to cancel any course when an insufficient number of people register.

CLASS HOURS

The majority of Continuing Education courses are offered one or two evenings per week. Courses may meet for one to four hours per evening. Special extension, industrial and seminar programs may be scheduled at the convenience of the participants and College.

FEES

For most Continuing Education courses, there is a $20 to $65 registration fee. Self-Supporting Continuing Education classes may cost more than $65, depending on instructor charges and other costs. In compliance with North Carolina Statutes, however, this fee may be waived for selected individuals. The registration fee is waived for all enrollees in Adult Basic Education. Also, North Carolina residents 65 years old or older are exempt from registration and tuition fees - with the exception of self-supporting classes. Other costs in Continuing Education classes may include textbooks and/or equipment, insurance and tools. Registration fees are subject to change contingent upon action by the N.C. General Assembly. There is no charge for classes sponsored by Human Resources Development (HRD) or the Small Business Center (SBC).

CONTINUING EDUCATION UNITS (CEUs)

The Southern Association of Colleges and Schools, of which Mayland Community College is an accredited member, has recommended that the Continuing Education Unit (CEU) be used as the basic instrument of measurement for an individual's participation in non-credit classes, courses and programs. One CEU is defined as 10 contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction and qualified instruction. Mayland Community College follows national guidelines for the recording of Continuing Education Units as outlined in the Commission on Colleges document CEU: "Guidelines and Criteria."

Continuing Education Units are formally awarded for courses that are applicable to professional certification, license renewal and many professional and occupational upgrading courses. Continuing Education Units are not awarded for Human Resources Development (HRD) classes or Small Business Center (SBC) classes.

OCCUPATIONAL EXTENSION COURSES

State regulations require that students enrolling in any occupational extension class more than twice within a five-year period pay for the class on a self-supporting basis. The fee for such a class will vary depending upon the length of instruction. Fees are subject to increase or decrease without notice from MCC. For more infor-

mation on this regulation, contact the Avery Campus at (828) 733-5883; the Yancey Campus at (828) 682-7315; or the Mayland Community College Continuing Education Department at (828) 765-7351 ext. 219.

The College offers many vocational, technical and business courses through Occupational Extension. The primary objectives of these courses are to: (1) provide adults additional skills and/or knowledge applicable to their present occupations; (2) provide training for occupations in which skill and knowledge requirements are undergoing transition due to technological advances in equipment, materials, and machines; and (3) provide assistance to area businesses and industries in meeting their manpower needs through specialized courses.

Occupational upgrading courses are available in each of the following areas:

BUSINESS and MANAGEMENT courses are available to a wide variety of business organizations and to people in administrative, management, sales and secretarial occupations.

FIRE SERVICE training is offered in fire fighting techniques for members of municipal, volunteer and industrial fire brigades.

HEALTH OCCUPATIONS programs have been established for persons seeking additional medical, allied health and nursing knowledge and skills. All levels of courses from paraprofessional to professional are offered.

LAW ENFORCEMENT courses have been designed for upgrading both experienced and recently employed policemen, law enforcement officials, security personnel and corrections personnel.

MANAGEMENT AND SUPERVISORY DEVELOPMENT courses are offered to improve supervisory and management techniques for beginning and experienced personnel.

TECHNICAL courses are available for upgrading the knowledge and skills of persons working in the numerous technical and paraprofessional occupations.

VOCATIONAL UPGRADING courses are designed for persons working in skilled and semi-skilled occupations.

Information concerning course offerings may be obtained by calling the Continuing Education Offices at 765-7351 ext. 219 (Mitchell County), 733-5883 (Avery County) or 682-7315 (Yancey County).

FOCUSED INDUSTRIAL TRAINING

Focused Industrial Training (FIT) programs provide for customized training and services for manufacturing industries in our service area. Companies that manufacture products and/or process industrial materials are eligible for Focused Industrial Training and services. FIT programs are directed toward skilled and semi-skilled production workers, industrial maintenance workers, and leaders of person-

nel who perform industrial processes. A fee per student is assessed, based on length of instruction for participants in Focused Industrial Training program classes.

NEW AND EXPANDING INDUSTRY TRAINING

The purpose of the New and Expanding Industry Training (NEIT) Program is to provide customized training assistance in support of new, full-time production positions created in Avery, Mitchell, and Yancey counties. New and Expanding Industry Training enhances the growth potential of area industries while preparing the area workforce with the skills essential for successful employment in emerging industries.

Companies that create 12 or more new production jobs in excess of their previous three-year maximum level are eligible for assistance through the New and Expanding Industry Training Program. NEIT may provide training needs assessment, program development, instructional costs, and training delivery for new, frontline production personnel and their supervisors. There is no charge to the company for New and Expanding Industry Training.

COMMUNITY SERVICES/LIFELONG LEARNING

The Community Services /Lifelong Learning Program offers individuals 18 years of age and older short-term courses for self-improvement and academic achievement. Cultural and civic enrichment events are also provided. The program is intended to meet the growing needs and interests of the community. The purpose is to give individuals a chance to pursue special interests and to fill their leisure time with worthwhile educational projects. Some of these include conversational foreign languages, local flora, consumer education, writing courses, creative arts, cake decorating, weaving, yoga, ceramics, concerts, special speakers and personal development. Additional information regarding community services courses or programs may be obtained by contacting the Continuing Education Office at the College at 765-7351, ext. 219.

HUMAN RESOURCES DEVELOPMENT PROGRAM (HRD)

The **H**uman **R**esources **D**evelopment (HRD) Program at Mayland Community College is designed to assist Avery, Mitchell and Yancey County residents in finding a job (if unemployed) or finding a better job (if currently employed but wishing to improve their situation). HRD provides training in job search techniques, job search assistance, job referral and personal support. HRD classes are held regularly at the JobLink Centers in Newland, Spruce Pine, and Burnsville. For more information, please call the College.

SMALL BUSINESS CENTER (SBC)

The Small Business Center (SBC), located on the main campus, is an educational resource center for existing and prospective small business owners, managers and employees. Individual, private and confidential counseling is available for clients who want to start a business or wish to strengthen their existing businesses. Seminars and special workshops dealing with such topics of interest as

business start-up, record keeping, taxes, management and technical skills training are held regularly at the main campus and at the campuses in Avery and Yancey counties. The SBC also makes referrals to other local, state and federal agencies and organizations that assist in business start-up, licensing and management. Services of the SBC are available at no expense to the client.

BASIC SKILLS

Mayland Community College's Basic Skills Program offers free instruction in reading, English, mathematics and other subjects to adults seeking to strengthen their academic abilities. These services are available to adults age 18 and above or for younger students with notarized documentation from parents and public school officials. The program focuses on services that assist adults in obtaining jobs and promotions, becoming more effective role models for their children, exercising the responsibilities of citizenship, and seeking further educational and/or training opportunities. The following sections offer the specific descriptions of this program. Persons interested in enrolling should contact the Basic Skills Department or Learning Lab at (828) 765-7351 ext. 207 or (800) 462-9526 ext. 207.

BASIC SKILLS PROGRAMS

COMPENSATORY EDUCATION

The Compensatory Education Program is designed for developmentally disabled adults who are functioning at levels generally described as mentally challenged. These adults are provided a uniquely designed educational plan and learning environment.

The Compensatory Education Program's role is to help each student develop work, social, academic, and independent living skills in order to fulfill his or her potential as a citizen and member of the community. The Basic Skills staff takes pride in their educational services to this special population and welcomes inquiries from interested families.

The Compensatory Education Program at Mayland Community College works closely with county Adult Developmental Activity Programs (ADAP). Compensatory Education supports the ADAP Centers by providing the educational component for ADAP clients. Mayland Community College is currently providing educational activities at ADAP Centers located in Newland, Bakersville and Burnsville.

ADULT BASIC EDUCATION (ABE)

Adult Basic Education assists adults who wish to enhance and extend their basic skills in reading, writing, and mathematics. ABE students may be interested in improving their academic skills for any number of reasons, including preparing for college placement or job readiness exams, becoming more effective teachers/role models for their children, or simply satisfying a personal goal. An individualized educational plan is designed for each student enrolled in this program. The ABE Program provides free basic education to adults in both on- and off- campus classes throughout the Tri-County service area.

HIGH SCHOOL DIPLOMA EQUIVALENCY (GED) PROGRAM

The High School Diploma Equivalency (GED, or General Educational Development) Program prepares adults who have not received a high school diploma to take the GED tests. Adults who successfully complete the test batteries are awarded the High School Equivalency certificate (GED). This certificate means that the holder has achieved a level of general education equivalent to that of a high school graduate. To receive the GED certificate, a person must have a total standard score of 225 on the exams with no single test score below 40.

Approximately twelve hours are required to complete the five tests. GED test preparation is offered at no cost to students both on-campus and at various off-campus sites throughout Mayland Community College's service area. Workbooks and other study materials may be purchased from the college bookstore if desired. A $7.50 GED testing fee covering the entire GED test battery is required before the first test is taken. Students who re-test in English pay an additional $2.50 fee. GED testing is administered by appointment. Phone the campus office to arrange an appropriate testing schedule, (828) 756-7351, ext. 207.

GED 2002 CHANGES

After more than 10 years in the current form, the GED test is being revised. The new test is coming in January 2002. A major change will introduce the use of a calculator on Part I of the math test. Part II of the math test will not use a calculator. Both parts of this test must be completed to earn a score. In addition, GED testers will encounter business related and adult-context readings across all five tests. Additional information can be found on the GED website at www.gedtest.org, or by calling the Mayland Campus.

ENGLISH AS A SECOND LANGUAGE (ESL)

English as a Second Language (ESL) classes are offered at Mayland through the Basic Skills Program. Beginner, Intermediate and Advanced English are offered, with the majority of students being from our Hispanic population. Classes stress everyday life skills that enable the student to be a functioning member of society by learning the English language. Citizenship classes are offered upon request. Free ESL classes are offered at various sites throughout the Tri-County area. A Hispanic women's support group is available in Avery County. The Learning Lab can provide more information on ESL.

BASIC SKILLS SERVICES

LEARNING LAB

The Learning Lab Program at Mayland Community College offers students an opportunity to study many subjects at whatever academic level they require. Instructional materials designed especially for adults are used, moving gradually from basic and easily-learned lessons to more difficult skills. Students may also make use of computer-based instruction, cassette tapes, video cassettes and other audio-visual media which make learning easier and more interesting. An instructor is always available to assist and advise students.

A new student may enroll in the Learning Lab at any time during the year and

may attend as his or her daily schedule permits during the lab's operating hours. There is no charge for studying in the Learning Lab. The lab is open from 8:00 a.m. to 9:00 p.m. Monday through Thursday, and from 8:00 a.m. to 5:00 p.m. on Friday with services to students ending at 1 p.m. on that day. The Learning Lab offers students the opportunity to prepare for GED tests, review basic skills, make up college deficiencies, and enhance learning with such specialized courses as speed-reading, math improvement and computer literacy. Adult students enrolled in other courses at Mayland Community College or at other educational institutions and desire supplementary instruction may attend the Learning Lab as well.

OFF-CAMPUS PROGRAM

Convenience makes off-campus classes a popular choice among many Basic Skills students who wish to improve their academic levels or to prepare for successful completion of their High School Diploma Equivalency (GED). With sufficient enrollment, free day or evening off-campus classes may be offered at various locations such as churches, community buildings, public agencies (fire departments, libraries, employment centers, etc.) and private homes. Final GED exams are administered by appointment both on-campus and at approved sites in Avery and Yancey counties.

WORKPLACE SERVICES

Basic Skills staff work hand-in-hand with industry leaders to schedule classes at the industry site for employees preparing to meet the technical requirements of today's demanding workplace. In addition to offering employees an opportunity to earn their GEDs, the Basic Skills Program provides employers with job-specific curricula needed for specialized training. Adequate student enrollment is necessary for workplace classes to be scheduled.

CURRICULUM LABORATORY

DEVELOPMENTAL CLASSES

Mayland offers developmental classes in reading, English and math for students who are pursuing a certificate, diploma or degree program and who have earned their high school diplomas or GEDs but lack the academic skills or background to be successful in college-level courses. Students place into these courses by placement test scores and progress in the sequence through either successful completion of each course or re-testing into a higher level.

Credit earned in developmental classes counts only in computation of course load. Credit does not count toward graduation. Grades earned do not count in the computation of students' GPA.

Notes

CURRICULUM PROGRAMS

The photos separating our catalog sections were taken by members of the *ART 260 - Photography Appreciation* class of Spring, 2001 at Mayland.

TOP PHOTO by Alicia McMahan
BOTTOM PHOTO by Jessica Thomas

CURRICULUM PROGRAMS

Mayland Community College offers a variety of curriculum programs. Within the programs, associate degrees, diplomas and certificates are available.

Accounting
Associate Degree - *p. 76*
Diploma - *p. 79*
Certificate - *p. 81*
Associate in General Education - *p. 82*
Autobody Repair
Diploma - *p. 84*
Level I Certificate - *p. 85*
Level II Certificate - *p. 86*
Basic Law Enforcement Training
Certificate - *p. 87*
Business Administration
Associate Degree - *p. 88*
Carpentry
Diploma - *p. 91*
Commercial Certificate - *p. 92*
Residential Certificate - *p. 92*
Cosmetology
Associate Degree - *p. 93*
Diploma - *p. 94*
1200 hours Certificate - *p. 95*
Certificate - Manicuring - *p. 95*
Cosmetology Instructor Training
Certificate - *p. 96*
Criminal Justice Technology
Associate Degree - *p. 100*
Certificate - *p. 101*
Early Childhood Associate
Associate Degree - *p. 102*
Diploma - *p. 104*
Certificate - *p. 105*
Administrator Certificate - *p. 105*
Electrical/Electronics Technology
Diploma - *p. 106*
Certificate, Industrial Wiring - *p. 107*
Certificate, Residential Wiring - *p. 107*
Electronics Engineering Technology
Associate Degree - *p. 108*
Applied Electronics Certificate - *p. 110*
Basic Electronics Certificate - *p. 111*
Digital Electronics Certificate - *p. 112*
Esthetics Technology
Certificate - *p. 97*
Esthetics Technology Instructor Training
Certificate - *p. 98*
General Occupational Technology
Diploma - *p. 114*
Horticulture
Associate Degree - *p. 116*
Diploma - *p. 117*
Certificate - *p. 119*
Landscaping Certificate - *p. 119*
Industrial Maintenance
Associate Degree - *p. 120*
Level I Certificate - *p. 121*
Level II Certificate - *p. 122*
Information Systems
Associate Degree - *p. 123*
Diploma - *p. 126*
Certificate - Applications - *p. 127*
Certificate - Networking - *p. 128*
Manicuring Instructor Training
Certificate - *p. 99*
Masonry
Diploma - *p. 129*
Certificate - *p. 130*
Medical Office Administration
Associate Degree - *p. 131*
Certificate - *p. 132*
Associate Degree Nursing - *p. 134*
Nursing Assistant
Certificate - *p. 136*
Office Systems Technology
Associate Degree - *p. 137*
Diploma - *p. 140*
Certificate - *p. 142*
Plumbing
Diploma - *p. 143*
Certificate - *p. 144*
Truck Driving Training - *p. 145*
Welding Technology
Diploma - *p. 146*
Level I Certificate - *p. 148*
Level II Certificate - *p. 149*
TRANSFER PROGRAMS - *p. 151*
Associate in Arts Program - CollegeTransfer - *p. 152*
Associate in Arts Program - Pre-Major, Birth to Kindergarten - *p. 156*
Associate in Arts Program - Pre-Business Administration - *p. 159*
Associate in Arts Program - Pre-Criminal Justice - *p. 162*
Associate in Arts Program - Pre-Elementary Education - *p. 164*
Associate in General Education - Business Administration Concentration Marketing and Retailing - *p. 168*
Associate in General Education - Business Administration Concentration Operations Management - *p. 170*
Associate in General Education - Forest Management Technology - *p. 172*
Associate in General Education - Physical Therapy Assistant - *p. 174*
Associate in Science - *p. 176*

Accounting (A25100)

Associate in Applied Science

Curriculum Description:

The Accounting curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting profession. Using the "language of business," accountants assemble and analyze, process and communicate essential information about financial operations.

In addition to course work in accounting principles, theories, and practice, students will study business law, finance, management and economics. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills and ethics.

Graduates should qualify for entry-level accounting positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems and governmental agencies. With work experience and additional education, an individual may advance in the accounting profession.

ACCOUNTING
ASSOCIATE IN APPLIED SCIENCE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 120	Principles of Accounting I	3	2	0	4	5
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
	Humanities Elective	3	0	0	3	3
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					14-15	17-18

Spring Semester						
ACC 121	Principles of Accounting II	3	2	0	4	5
ACC 131	Federal Income Taxes	2	2	0	3	4
BUS 137	Principles of Management	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
					16	18

Summer Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACC 140	Payroll Accounting	1	2	0	2	3
ACC 293	Selected Topics in Accounting	2	2	0	3	4
COM 110	Introduction to Communication	3	0	0	3	3
					8	10
Fall Semester						
ACC 220	Intermediate Accounting I	3	2	0	4	5
ACC 225	Cost Accounting	3	0	0	3	3
BUS 115	Business Law I	3	0	0	3	3
BUS 225	Business Finance	2	2	0	3	4
BUS 260	Business Communication	3	0	0	3	3
ECO 251	Principles of Microeconomics	3	0	0	3	3
					19	21
Spring Semester						
ACC 221	Intermediate Accounting II	3	2	0	4	5
BUS 228	Business Statistics	2	2	0	3	4
BUS 240	Business Ethics	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
ECO 252	Principles of Macroeconomics	3	0	0	3	3
					16	19
TOTAL HOURS:					73-74	85-86

See selection list for electives at the end of the semester by semester listing for Accounting.

ACCOUNTING
ASSOCIATE IN APPLIED SCIENCE, EVENING PROGRAM

Fall Semester *(offered every year)*		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 120	Principles of Accounting I	3	2	0	4	5
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					7-8	9-10
Spring Semester *(offered every year)*						
ACC 121	Principles of Accounting II	3	2	0	4	5
ENG 111	Expository Writing	3	0	0	3	3
					7	8
Summer Semester *(offered every year)*						
ACC 140	Payroll Accounting	1	2	0	2	3

The following will be offered on a rotating basis. The number of students in the program, and their progression in the program, will determine the courses that will be offered and the sequence in which they are offered. See your advisor for specific course offerings.

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACC 220	Intermediate Accounting I	3	2	0	4	5
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					8	10
Spring Semester						
ACC 221	Intermediate Accounting II	3	2	0	4	5
BUS 240	Business Ethics	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
					10	12
Fall Semester						
BUS 115	Business Law I	3	0	0	3	3
BUS 260	Business Communication	3	0	0	3	3
ECO 251	Principles of Microeconomics	3	0	0	3	3
					9	9
Spring Semester						
BUS 137	Principles of Management	3	0	0	3	3
COM 110	Intro. to Communication	3	0	0	3	3
ECO 252	Principles of Macroeconomics	3	0	0	3	3
					9	9
Summer Semester						
ACC 293	Selected Topics in Accounting	2	2	0	3	4
Fall Semester						
ACC 225	Cost Accounting	3	0	0	3	3
BUS 225	Business Finance	2	2	0	3	4
BUS 228	Business Statistics	2	2	0	3	4
					9	11
Spring Semester						
ACC 131	Federal Income Taxes	2	2	0	3	4
	Humanities Elective	3	0	0	3	3
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
					9	10
TOTAL HOURS:					**73-74**	**85-86**

See selection list for electives at the end of the semester by semester listing for Accounting.

ACCOUNTING
DIPLOMA, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACC 120	Principles of Accounting I	3	2	0	4	5
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					6-7	8-9
Spring Semester						
ACC 121	Principles of Accounting II	3	2	0	4	5
ACC 131	Federal Income Taxes	2	2	0	3	4
BUS 137	Principles of Management	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
					13	15
Summer Semester						
ACC 293	Selected Topics in Accounting	2	2	0	3	4
Fall Semester						
ACC 225	Cost Accounting	3	0	0	3	3
BUS 115	Business Law I	3	0	0	3	3
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					10	11
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
COM 110	Introduction to Communication	3	0	0	3	3
					9	10
TOTAL HOURS:					**41-42**	**48-49**

See selection list for electives at the end of the semester by semester listing for Accounting.

ACCOUNTING
DIPLOMA, EVENING PROGRAM

Fall Semester *(offered every year)*		Class	Lab	Clin.	Credit	Hrs/Wk
ACC 120	Principles of Accounting I	3	2	0	4	5
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					6-7	8-9
Spring Semester *(offered every year)*						
ACC 121	Principles of Accounting II	3	2	0	4	5
ENG 111	Expository Writing	3	0	0	3	3
					7	8

The following will be offered on a rotating basis. The number of students in the program, and their progression in the program, will determine the courses that will be offered and the sequence in which they are offered. See your advisor for specific course offerings.

Fall Semester						
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					4	5
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
COM 110	Introduction to Communication	3	0	0	3	3
					9	10
Summer Semester						
ACC 293	Selected Topics in Accounting	2	2	0	3	4
Fall Semester						
ACC 225	Cost Accounting	3	0	0	3	3
BUS 115	Business Law I	3	0	0	3	3
					6	6
Spring Semester						
ACC 131	Federal Income Taxes	2	2	0	3	4
BUS 137	Principles of Management	3	0	0	3	3
					6	7

TOTAL HOURS: **41-42 48-49**

See selection list for electives at the end of the semester by semester listing for Accounting.

ACCOUNTING
CERTIFICATE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACC 120	Principles of Accounting I	3	2	0	4	5
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					6-7	8-9
Spring Semester						
ACC 121	Principles of Accounting II	3	2	0	4	5
ACC 131	Federal Income Taxes	2	2	0	3	4
					7	9
TOTAL HOURS:					**13-14**	**17-18**

ACCOUNTING
CERTIFICATE, EVENING PROGRAM

NOTE: Some of these courses are offered on a rotating basis. See you advisor for specific course offerings.

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACC 120	Principles of Accounting I	3	2	0	4	5
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					6-7	8-9
Spring Semester						
ACC 121	Principles of Accounting II	3	2	0	4	5
ACC 131	Federal Income Taxes	2	2	0	3	4
					7	9
TOTAL HOURS:					**13-14**	**17-18**

Humanities Electives: ART 111, ART 116, HUM 110, HUM 120, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220, MUS 110, MUS 112, MUS 113, PHI 210, PHI 215, PHI 240, REL 110, REL 111, REL 112, REL 211, REL 212, REL 221, SPA 111, SPA 112, SPA 211, SPA 212.

Associate in General Education (A10300)

Curriculum Description:

The Associate in General Education curriculum is designed for the academic enrichment of students who wish to broaden their education, with emphasis on personal interest, growth and development.

Course work includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. Opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers will be provided.

Through these skills, students will have a sound base for lifelong learning. Graduates are prepared for advancements within their fields of interest and become better qualified for a wide range of employment opportunities.

ASSOCIATE IN GENERAL EDUCATION
DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
COM 110	Introduction to Communication	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
CIS 110	Introduction to Computers	2	2	0	3	4
					16	17
Spring Semester						
	English Composition Elective	3	0	0	3	3
	Other Req. Hrs. Elec. (13 hrs.)	0-3	0-3	0	3-4	—
					16-17	—
Fall Semester						
	Natural Science/Math Elective	3	0-3	0	3-4	3-6
	Other Req. Hrs. Elec. (13 hrs.)	0-3	0-3	0	3-4	—
					16-17	—
Spring Semester						
	Other Req. Hours Elec. (16 hrs.)	0-3	0-3	0	3-4	—
					16	
TOTAL HOURS:					**64-66**	

See selection list for electives at the end of the semester by semester listing for Associate in General Education program.

ASSOCIATE IN GENERAL EDUCATION
EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
COM 110	Intro. to Communication	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
CIS 110	Introduction to Computers	2	2	0	3	4
					13	14
Spring Semester						
	English Composition Elective	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	Other Req. Hrs. Elec. (6 hrs.)	0-3	0-3	0	3-4	—
				12-13		
Fall Semester						
	Natural Sci./Math Elective	3	0-3	0	3-4	3-6
	Other Req. Hrs. Elec. (6 hrs.)	0-3	0-3	0	3-4	—
					9-10	—
Spring Semester						
	Other Req. Hrs. Elec. (12 hrs.)	0-3	0-3	0	3-4	—
Fall Semester						
	Other Req. Hours Elec. (12 hrs.)	0-3	0-3	0	3-4	—
					12	
Spring Semester						
	Other Req. Hours Elec. (6 hrs.)	0-3	0-3	0	3-4	—
					6	

TOTAL HOURS: 64

English Composition Elective - Select one of the following: ENG 112, ENG 113, or ENG 114

Humanities/Fine Arts Elective - Select one of the following: ART 111, HUM 110, MUS 110, REL 110, SPA 111

Social/Behaviorial Science Elective - Select one of the following: ECO 151, HIS 121, HIS 122, HIS 131, HIS 132, POL 120, PSY 150, SOC 210

Natural Sciences/Mathematics Elective - Select one of the following: BIO 111, MAT 151, MAT 161.

Other Required Electives (42 SHC)

Elective Hours may be selected from courses not used to satisfy the core hours above, from other program areas—provided any prerequsites are satisfied, and from any of the following: ART 260, BIO 110, BIO 143, BIO 145, BIO 224, BIO 225, BIO 226, ENG 272, ENG 273, ENG 274, HEA 112, HIS 141, HIS 162, HIS 167, HIS 227, HIS 230, HIS 233, HIS 234, HIS 236, HUM 123, HUM 170, HUM 230, MAT 115, MAT 120, MAT 140, MAT 140A, MAT 151A, MAT 161A, PED 122, PED 152, PED 153, PED 155, PED 173, PED 211, POL 130, PSY 101, PSY 115, PSY 131, PSY 141, PSY 183, PSY 211, PSY 246, PSY 247, PSY 259, RED 111, SOC 105, SOC 230, SOC 234, SOC 242, SOC 250. Students may build a concentration of courses in areas of their interests.

Autobody Repair (D60100)

Diploma

Curriculum Description:

The Autobody Repair curriculum provides training in the use of equipment and materials of the autobody repair trade. The student studies the construction of the automobile body and techniques of autobody repairing, rebuilding and refinishing.

The course work will include autobody fundamentals, industry overview and safety. Students will perform hands-on repairs in the areas of non-structural and structural repairs, MIG welding, plastics and adhesives, refinishing and other related areas.

Graduates of the curriculum should qualify for entry-level employment opportunities in the automotive body and refinishing industry. Graduates may find employment with franchised independent garages, or they may become self-employed.

AUTOBODY REPAIR
DIPLOMA, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
AUB 111	Painting & Refinishing I	2	6	0	4	8
AUB 121	Non-Structural Damage I	1	4	0	3	5
AUB 131	Structural Damage I	2	4	0	4	6
AUB 134	Autobody Mig Welding	1	4	0	3	5
AUB 136	Plastics & Adhesives	1	4	0	3	5
ENG 101	Applied Communications I	3	0	0	3	3
					20	32
Spring Semester						
AUB 112	Painting & Refinishing II	2	6	0	4	8
AUB 122	Non-Structural Damage II	2	6	0	4	8
AUB 132	Structural Damage II	2	6	0	4	8
AUB 144	Mechanics & Electrical Specialties	2	2	0	3	4
MAT 101	Applied Mathematics I	2	2	0	3	4
					18	32

Summer Semester						
AUB 114	Special Finishes	1	2	0	2	3
AUB 150	Automotive Detailing	1	3	0	2	4
AUB 160	Body Shop Operations	1	0	0	1	1
AUB 162	Auto Estimating	1	2	0	2	3
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					9-10	14-15

TOTAL HOURS: **47-48 78-79**

AUTOBODY REPAIR
LEVEL I CERTIFICATE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
AUB 111	Painting & Refinishing I	2	6	0	4	8
AUB 121	Non-Structural Damage I	1	4	0	3	5
AUB 131	Structural Damage I	2	4	0	4	6
AUB 134	Autobody Mig Welding	1	4	0	3	5
AUB 136	Plastics & Adhesives	1	4	0	3	5
					17	29

TOTAL HOURS: **17 29**

AUTOBODY REPAIR
LEVEL I CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
AUB 121	Non-Structural Damage I	1	4	0	3	5
AUB 134	Autobody Mig Welding	1	4	0	3	5
AUB 131	Structural Damage I	2	4	0	4	6
					10	16
Spring Semester						
AUB 111	Painting & Refinishing I	2	6	0	4	8
AUB 136	Plastics & Adhesives	1	4	0	3	5
					7	13

TOTAL HOURS: **17 29**

AUTOBODY REPAIR
LEVEL II CERTIFICATE, DAY PROGRAM

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
AUB 112	Painting & Refinishing II	2	6	0	4	8
AUB 122	Non-Structural Damage II	2	6	0	4	8
AUB 132	Structural Damage II	2	6	0	4	8
AUB 144	Mechanics & Elec. Specialties	2	2	0	3	4
AUB 162	Auto Estimating	1	2	0	2	3
					17	31
TOTAL HOURS:					**17**	**31**

AUTOBODY REPAIR
LEVEL II CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
AUB 132	Structural Damage II	2	6	0	4	8
AUB 144	Mechanics & Elec. Specialties	2	2	0	3	4
					7	12
Spring Semester						
AUB 162	Auto Estimating	1	2	0	2	3
AUB 112	Painting & Refinishing II	2	6	0	4	8
					6	11
Summer Semester						
AUB 122	Non-Structural Damage II	2	6	0	4	8
TOTAL HOURS:					**17**	**31**

Basic Law Enforcement Training (C55120)

Certificate

Curriculum Description:

Basic Law Enforcement Training (BLET) is designed to give students essential skills required for entry-level employment as law enforcement officers with state, county or municipal governments, or with private enterprise.

This program utilizes State Commission-mandated topics and methods of instruction. General subjects include, but are not limited to, criminal, juvenile, civil, traffic and alcoholic beverage laws; investigative, patrol, custody and court procedures; emergency responses; and ethics and community relations.

Successful graduates receive a curriculum certificate and are qualified to take certification examinations mandated by the North Carolina Criminal Justice Education and Training Standards Commission and/or the North Carolina Sheriffs' Education and Training Standards Commission.

BASIC LAW ENFORCEMENT TRAINING CERTIFICATE

		Class	Lab	Clin.	Credit	Hrs/Wk
CJC 100	Basic Law Enforcement Training	8	30	0	18	38
TOTAL HOURS:					**18**	**38**

BLET is offered both day and evening periodically throughout the year.

Successful completion of CJC 100 may substitute for: CJC 120, CJC 131, CJC 132, CJC 221, CJC 225 and CJC 231.

Business Administration (A25120)

Associate in Applied Science

Curriculum Description:

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions and large to small business or industry.

BUSINESS ADMINISTRATION
ASSOCIATE IN APPLIED SCIENCE DEGREE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 120	Principles of Accounting I	3	2	0	4	5
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
MKT 120	Principles of Marketing	3	0	0	3	3
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					14-15	17-18

Spring Semester						
ACC 121	Principles of Accounting II	3	2	0	4	5
ACC 131	Federal Income Taxes	2	2	0	3	4
BUS 137	Principles of Management	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
OST 136	Word Processing	1	2	0	2	3
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
					18	21

Summer Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACC 140	Payroll Accounting	1	2	0	2	3
COM 110	Intro. to Communication	3	0	0	3	3
	Humanities Elective	3	0	0	3	3
					8	9
Fall Semester						
BUS 115	Business Law I	3	0	0	3	3
BUS 225	Business Finance	2	2	0	3	4
BUS 260	Business Communication	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
ECO 251	Principles of Microeconomics	3	0	0	3	3
					15	17
Spring Semester						
BUS 228	Business Statistics	2	2	0	3	4
BUS 230	Small Business Management	3	0	0	3	3
BUS 239	Business Applications Seminar	1	2	0	2	3
BUS 240	Business Ethics	3	0	0	3	3
ECO 252	Principles of Macroeconomics	3	0	0	3	3
					14	16

TOTAL HOURS: **69-70 80-81**

See selection list for electives at the end of the semester by semester listing or the Business Administration program.

BUSINESS ADMINISTRATION
ASSOCIATE IN APPLIED SCIENCE, EVENING PROGRAM

Fall Semester *(offered every year)*		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 120	Principles of Accounting I	3	2	0	4	5
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					7-8	9-10
Spring Semester *(offered every year)*						
ACC 121	Principles of Accounting II	3	2	0	4	5
ENG 111	Expository Writing	3	0	0	3	3
OST 136	Word Processing	1	2	0	2	3
					9	11
Summer Semester *(offered every year)*						
ACC 140	Payroll Accounting	1	2	0	2	3

The following will be offered on a rotating basis. The number of students in the program, and their progression in the program, will determine the courses that will be offered and the sequence in which they are offered. See your advisor for specific course offerings.

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
	Humanities Elective	3	0	0	3	3
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
					10	11
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
					6	7
Fall Semester						
BUS 115	Business Law I	3	0	0	3	3
BUS 260	Business Communication	3	0	0	3	3
ECO 251	Principles of Microeconomics	3	0	0	3	3
					9	9
Spring Semester						
BUS 137	Principles of Management	3	0	0	3	3
COM 110	Intro. to Communication	3	0	0	3	3
ECO 252	Principles of Macroeconomics	3	0	0	3	3
					9	9
Fall Semester						
BUS 225	Business Finance	2	2	0	3	4
BUS 228	Business Statistics	2	2	0	3	4
MKT 120	Principles of Marketing	3	0	0	3	3
					9	11
Spring Semester						
ACC 131	Federal Income Taxes	2	2	0	3	4
BUS 230	Small Business Management	3	0	0	3	3
BUS 239	Business Applications Seminar	1	2	0	2	3
					8	10
TOTAL HOURS:					**69-70**	**80-81**

Humanities Electives: ART 111, ART 116, HUM 110, HUM 120, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220, MUS 110, MUS 112, MUS 113, PHI 210, PHI 215, PHI 240, REL 110, REL 111, REL 112, REL 211, REL 212, REL 221, SPA 111, SPA 112, SPA 211, SPA 212.

Pending State Approval for 2002-2003

Carpentry (D35180)

Diploma

Curriculum Description:

The Carpentry curriculum is designed to train students to construct residential structures using standard building materials and hand and power tools. Carpentry skills and a general knowledge of residential construction will also be taught.

Course work includes footings and foundations, framing, interior and exterior trim, cabinetry, blueprint reading, residential planning and estimating, and other related topics. Students will develop skills through hands-on participation.

Graduates should qualify for employment in the residential building construction field as rough carpenters, framing carpenters, roofers, maintenance carpenters and other related job titles.

CARPENTRY
DIPLOMA, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
CAR 111	Carpentry I	3	15	0	8	18
Spring Semester						
CAR 112	Carpentry II	3	15	0	8	18
Summer Semester						
BPR 130	Blueprint Reading/Const.	1	2	0	2	3
CAR 110	Intro. to Carpentry	2	0	0	2	2
					4	5
Fall Semester						
CAR 115	Residential Planning/Est.	3	0	0	3	3
MAT 101	Applied Mathematics I	2	2	0	3	4
					6	7
Spring Semester						
ENG 101	Applied Comm. I	3	0	0	3	3
CAR 113	Carpentry III	3	9	0	6	15
					9	18

(continued on next page)

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
CAR 120	Commercial Carpentry I	2	12	0	6	14
Spring Semester						
CAR 125	Commercial Carpentry II	2	12	0	6	14
TOTAL HOURS:					**47**	**94**

CARPENTRY
COMMERCIAL CERTIFICATE, EVENING PROGRAM

Summer Semester		Class	Lab	Clin.	Credit	Hrs/Wk
BPR 130	Blueprint Reading/Const.	1	2	0	2	3
CAR 110	Intro. to Carpentry	2	0	0	2	2
					4	5
Fall Semester						
CAR 120	Commercial Carpentry I	2	12	0	6	14
Spring Semester						
CAR 125	Commercial Carpentry II	2	12	0	6	14
TOTAL HOURS:					**16**	**33**

CARPENTRY
RESIDENTIAL CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
CAR 111	Carpentry I	3	15	0	8	18
Spring Semester						
CAR 112	Carpentry II	3	15	0	8	18
TOTAL HOURS:					**16**	**36**

Associate in Cosmetology (A55140)

Associate in Applied Science

Curriculum Description:

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successful passing of the State Board exam, graduates will be issued a license. Employment is available in beauty salons, and as skin/nail specialists, platform artists and related businesses.

COSMETOLOGY
ASSOCIATE IN APPLIED SCIENCE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
COS 111	Cosmetology Concepts I	4	0	0	4	4
COS 112	Salon I	0	24	0	8	24
					13	29
Spring Semester						
COS 113	Cosmetology Concepts II	4	0	0	4	4
COS 114	Salon II	0	24	0	8	24
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					14-15	31-32
Summer Semester						
COS 115	Cosmetology Concepts III	4	0	0	4	4
COS 116	Salon III	0	12	0	4	12
					8	16
Fall Semester						
COS 117	Cosmetology Concepts IV	2	0	0	2	2
COS 118	Salon IV	0	21	0	7	21
COS 121	Manicure/Nail Technology I	4	6	0	6	10

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		Class	Lab	Clin.	Credit	Hrs/Wk
	Select one of the following:					
MAT 115	Mathematical Models *OR*	2	2	0	3	4
MAT 140	Survey of Mathematics *AND*	3	0	0	3	3
MAT 140A	Survey of Mathematics Lab	0	2	0	1	2
					18-19	37
Spring Semester						
ART 111	Art Appreciation	3	0	0	3	3
BUS 230	Small Business Management	3	0	0	3	3
COM 110	Introduction to Communication	3	0	0	3	3
COS 122	Manicure/Nail Technology II	4	6	0	6	10
PSY 150	General Psychology	3	0	0	3	3
					18	22
Summer Semester						
ENG 111	Expository Writing	3	0	0	3	3
TOTAL HOURS:					**74-76**	**138-139**

COSMETOLOGY
DIPLOMA, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
COS 111	Cosmetology Concepts I	4	0	0	4	4
COS 112	Salon I	0	24	0	8	24
					13	29
Spring Semester						
COS 113	Cosmetology Concepts II	4	0	0	4	4
COS 114	Salon II	0	24	0	8	24
	Select one of the following:					
ENG 101	Applied Communication I	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
					15	31
Summer Semester						
COS 115	Cosmetology Concepts III	4	0	0	4	4
COS 116	Salon III	0	12	0	4	12
					8	16
Fall Semester						
COS 117	Cosmetology Concepts IV	2	0	0	2	2
COS 118	Salon IV	0	21	0	7	21
	Select one of the following:					
MAT 101	Applied Mathematics I *OR*	2	2	0	3	4
MAT 115	Mathematical Models	2	2	0	3	4
					12	27
TOTAL HOURS:					**48**	**103**

COSMETOLOGY
CERTIFICATE - 1200 HOURS
DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
COS 111	Cosmetology Concepts I	4	0	0	4	4
COS 112	Salon I	0	24	0	8	24
COS 223	Contemp. Hair Coloring	1	3	0	2	4
					14	32
Spring Semester						
COS 113	Cosmetology Concepts II	4	0	0	4	4
COS 114	Salon II	0	24	0	8	24
					12	28
Summer Semester						
COS 115	Cosmetology Concepts III	4	0	0	4	4
COS 116	Salon III	0	12	0	4	12
					8	16
TOTAL HOURS:					**34**	**76**

COSMETOLOGY
MANICURING CERTIFICATE

		Class	Lab	Clin.	Credit	Hrs/Wk
COS 121	Manicuring/Nail Technology I	4	6	0	6	10
COS 122	Manicuring/Nail Technology II	4	6	0	6	10
TOTAL HOURS:					**12**	**20**

This certificate is offered both day and evening periodically throughout the year. COS 121 is a prerequisite for COS 122. COS 117 must be taken by Associate Degree students and diploma program students. COS 223 must be taken by certificate students.

Cosmetology Instructor Training (C55160)

Certificate Program

Curriculum Description:

The Cosmetology Instructor curriculum provides a course of study for learning the skills needed to teach the theory and practice of cosmetology as required by the North Carolina Board of Cosmetic Arts.

Course work includes requirements for becoming an instructor, introduction to teaching theory, methods and aids, practice teaching and development of evaluation instruments.

Graduates of the program may be employed as cosmetology instructors in public or private education and business.

COSMETOLOGY INSTRUCTOR CERTIFICATE PROGRAM

		Class	Lab	Clin.	Credit	Hrs/Wk
COS 271	Instructor Concepts I	5	0	0	5	5
COS 272	Instructor Practicum I	0	21	0	7	21
COS 273	Instructor Concepts II	5	0	0	5	5
COS 274	Instructor Practicum II	0	21	0	7	21
TOTAL HOURS:					24	52

This certificate is offered both day and evening periodically throughout the year. COS 271 and COS 272 must be taken simultaneously and are prerequisites for COS 273 and COS 274 which must also be taken simultaneously. Cosmetology license and 6 months experience as a licensed cosmetologist are required for admission into this program.

Esthetics Technology (C55230)

Certificate Program

Curriculum Description:

The Esthetics Technology curriculum provides competency-based knowledge, scientific/artistic principles and hands-on fundamentals associated with the art of skin care. The curriculum provides a simulated salon environment that enable students to develop manipulate skills.

Course work includes instruction in all phases of professional Esthetics Technology, business/human relations, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and cosmetic/skin care salons, as platform artists, and in related businesses.

ESTHETICS TECHNOLOGY CERTIFICATE

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
COS 119	Esthetics Concept I	2	0	0	2	2
COS 120	Esthetics Salon I	0	18	0	6	18
					8	20
Spring Semester						
COS 125	Esthetics Concept II	2	0	0	2	2
COS 126	Esthetics Salon II	0	18	0	6	18
					8	20
TOTAL HOURS:					**16**	**40**

Esthetics Technology Instructor Training (C55270)

Certificate Program

Curriculum Description:

The Esthetics Instructor curriculum provides a course of study covering the skills needed to teach the theory and practices of esthetics as required by the North Carolina State Board of Cosmetology.

Course work includes all phases of esthetics theory laboratory instruction.

Graduates should be prepared to take the North Carolina Cosmetology State Board Esthetics Instructor Licensing Exam and upon passing be qualified for employment in a cosmetology or esthetics school.

ESTHETICS TECHNOLOGY CERTIFICATE

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
COS 253	Esthetics Instructor Concepts I	6	15	0	11	21
Spring Semester						
COS 254	Esthetics Instructor Concepts II	6	15	0	11	21
TOTAL HOURS:					**22**	**42**

Manicuring Instructor Training (C55380)

Certificate Program

Curriculum Description:

The Manicuring Instructor curriculum provides a course of study covering the skills needed to teach the theory and practices of manicuring as required by the North Carolina State Board of Cosmetology.

Course work includes all phases of manicuring theory laboratory instruction.

Graduates should be prepared to take the North Carolina Cosmetology State Board Manicuring Instructor Licensing Exam and upon passing be qualified for employment in a cosmetology or manicuring school.

MANICURING INSTRUCTOR CERTIFICATE

		Class	Lab	Clin.	Credit	Hrs/Wk
COS 251	Manicure Instructor Concepts	8	0	0	8	8
COS 252	Manicure Instructor Practicum	0	15	0	5	15
TOTAL HOURS:					13	23

The Manicuring Instructor Certificate is offered both day and evening periodically throughout the year. COS 252 is a corequisite for COS 251.

Criminal Justice Technology (A55180)

Associate in Applied Science

Curriculum Description:

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state and federal law enforcement, judicial processes, corrections and security services. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics and community relations. Additional study may include issues and concepts of government, counseling, communications, computers and technology.

Employment opportunities exist in a variety of local, state and federal law enforcement, corrections and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer and loss prevention specialist.

CRIMINAL JUSTICE
ASSOCIATE IN APPLIED SCIENCE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
CIS 110	Introduction to Computers	2	2	0	3	4
CJC 111	Introduction to Criminal Justice	3	0	0	3	3
CJC 131	Criminal Law	3	0	0	3	3
CJC 213	Substance Abuse	3	0	0	3	3
	Select one of the following:					
MAT 140	Survey of Mathematics *AND*	3	0	0	3	3
MAT 140A	Survey of Mathematics Lab *OR*	0	2	0	1	2
MAT 161	College Algebra *AND*	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					17	19
Spring Semester						
CJC 112	Criminology	3	0	0	3	3
CJC 113	Juvenile Justice	3	0	0	3	3
CJC 132	Court Procedures & Evidence	3	0	0	3	3
CJC 212	Ethics & Community Relations	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
					15	15
Summer Semester						
	Criminal Justice Electives	6	0	0	6	6
	Humanities Elective	3	0	0	3	3
					9	9

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
CJC 214	Victimology	3	0	0	3	3
CJC 231	Constitutional Law	3	0	0	3	3
ENG 114	Professional Research & Reporting	3	0	0	3	3
PSY 150	General Psychology	3	0	0	3	3
	Criminal Justice Elective	3	0	0	3	3
					15	15
Spring Semester						
BIO 163	Basic Anatomy & Physiology	4	2	0	5	6
CJC 221	Investigative Principles	3	2	0	4	5
	Criminal Justice Elective	3	0	0	3	3
	Select one of the following:					
POL 120	American Government	3	0	0	3	3
POL 130	State & Local Government	3	0	0	3	3
					15	17
TOTAL HOURS:					**71**	**74**

Humanities Electives: ART 111, ART 116, HUM 110, HUM 120, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220, MUS 110, MUS 112, MUS 113, PHI 210, PHI 215, PHI 240, REL 110, REL 111, REL 112, REL 211, REL 212, REL 221, SPA 111, SPA 112, SPA 211, SPA 212.

Criminal Justice Electives: BUS 253, CJC 120, CJC 121, CJC 141, CJC 222, CJC 225, CJC 233, CJC 240, CJC 241

Successful completion of CJC 100 may substitute for: CJC 120, CJC 131, CJC 132, CJC 221, CJC225 and CJC 231.

CRIMINAL JUSTICE CERTIFICATE

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
CJC 111	Intro. to Criminal Justice	3	0	0	3	3
CJC 112	Criminology	3	0	0	3	3
CJC 131	Criminal Law	3	0	0	3	3
CJC 231	Constitutional Law	3	0	0	3	3
					12	12
TOTAL HOURS					**12**	**12**

Early Childhood Associate (A55220)

Associate in Applied Science

Curriculum Description:

The Early Childhood Associate curriculum prepares individuals to work with children from infancy through middle childhood in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes childhood growth and development, physical/nutritional needs of children, care and guidance of children and communication skills with parents and children. Students will foster the cognitive/language, physical/motor, social/emotional and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school age programs.

EARLY CHILDHOOD ASSOCIATE
ASSOCIATE IN APPLIED SCIENCE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
EDU 144	Child Development I	3	0	0	3	3
EDU 146	Child Guidance	3	0	0	3	3
PSY 150	General Psychology	3	0	0	3	3
	Choose either:					
EDU 119	Early Childhood Education	3	2	0	4	5
	OR					
EDU 111	Early Childhood Credential I	2	0	0	2	2
	AND					
EDU 112	Early Childhood Credential II	2	0	0	2	2
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					16-17	17-19

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
COE 111	Co-Op Work Experience I	0	0	10	1	10
COE 115	Work Experience Seminar I	1	0	0	1	1
EDU 145	Child Development II	3	0	0	3	3
EDU 151	Creative Activities	3	0	0	3	3
EDU 151A	Creative Activities Lab	0	2	0	1	2
ENG 111	Expository Writing	3	0	0	3	3
	Profess. Fundamentals Elect.	2-3	0	0	2-3	2-3
					14-15	24-25
Summer Semester						
EDU 153	Health, Safety & Nutrition	3	0	0	3	3
EDU 153A	Health, Safety & Nutrition Lab	0	2	0	1	2
SOC 213	Sociology of the Family	3	0	0	3	3
					7	8
Fall Semester						
BIO 143	Field Biology Minicourse	1	2	0	2	3
COE 121	Co-op Work Experience II	0	0	10	1	10
COE 125	Work Experience Seminar II	1	0	0	1	1
COM 110	Intro. to Communication	3	0	0	3	3
EDU 131	Children, Family, and Comm.	3	0	0	3	3
EDU 221	Children with Special Needs	3	0	0	3	3
PSY 243	Child Psychology	3	0	0	3	3
					16	26
Spring Semester						
BIO 224	Local Flora Spring	1	2	0	2	3
COE 131	Co-op Work Experience III	0	0	10	1	10
COE 135	Work Experience Seminar III	1	0	0	1	1
EDU 251	Exploration Activities	3	0	0	3	3
EDU 259	Curriculum Planning	3	0	0	3	3
EDU 261	Early Childhood Admin. I	2	0	0	2	2
HUM 220	Human Values and Meaning	3	0	0	3	3
					15	25
Summer Semester						
EDU 234	Infants, Toddlers & Twos	3	0	0	3	3
EDU 282	Early Childhood Literature	3	0	0	3	3
					6	6
TOTAL HOURS:					**75-76**	**106-109**

Professional Fundamentals Electives: EDU 235, EDU 263, PSY 237, SOC 210, SOC 220

EARLY CHILDHOOD ASSOCIATE DIPLOMA, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
EDU 144	Child Development I	3	0	0	3	3
EDU 146	Child Guidance	3	0	0	3	3
	Choose either:					
EDU 119	Early Childhood Education	3	2	0	4	5
	OR					
EDU 111	Early Childhood Credential I	2	0	0	2	2
	AND					
EDU 112	Early Childhood Credential II	2	0	0	2	2
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					13-14	14-16
Spring Semester						
COE 111	Co-op Work Experience I	0	0	10	1	10
COE 115	Work Experience Seminar I	1	0	0	1	1
EDU 145	Child Development II	3	0	0	3	3
EDU 151	Creative Activities	3	0	0	3	3
EDU 151A	Creative Activities Lab	0	2	0	1	2
ENG 111	Expository Writing	3	0	0	3	3
					12	22
Summer Semester						
EDU 153	Health, Safety & Nutrition	3	0	0	3	3
EDU 153A	Health, Safety & Nutrition Lab	0	2	0	1	2
					4	5
Fall Semester						
EDU 131	Children, Family, and Comm.	3	0	0	3	3
EDU 221	Children with Special Needs	3	0	0	3	3
HUM 220	Human Values and Meaning	3	0	0	3	3
					9	9
Spring Semester						
EDU 251	Exploration Activities	3	0	0	3	3
EDU 259	Curriculum Planning	3	0	0	3	3
EDU 261	Early Childhood Admin. I	2	0	0	2	2
					8	8
TOTAL HOURS:					**46-47**	**58-59**

EARLY CHILDHOOD ASSOCIATE CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
EDU 111	Early Childhood Credential I	2	0	0	2	2
EDU 144	Child Development I	3	0	0	3	3
					5	5
Spring Semester						
EDU 112	Early Childhood Credential II	2	0	0	2	2
Summer Semester						
EDU 131	Children, Family & Community	3	0	0	3	3
Fall Semester						
EDU 146	Child Guidance	3	0	0	3	3
Spring Semester						
EDU 151	Creative Activities	3	0	0	3	3
EDU 151A	Creative Activities Lab	0	2	0	1	2
					4	5
TOTAL HOURS:					**17**	**18**

EARLY CHILDHOOD ASSOCIATE CERTIFICATE FOR ADMINISTRATORS, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
EDU 111	Early Childhood Credential I	2	0	0	2	2
EDU 144	Child Development I	3	0	0	3	3
					5	5
Spring Semester						
EDU 112	Early Childhood Credential II	2	0	0	2	2
Summer Semester						
EDU 261	Early Childhood Admin. I	2	0	0	2	2
Fall Semester						
EDU 259	Curriculum Planning	3	0	0	3	3
EDU 262	Early Childhood Admin. II	3	0	0	3	3
					6	6
TOTAL HOURS					**15**	**15**

Electrical/Electronics Technology (D35220)

Diploma

Curriculum Description:

The Electrical/Electronics Technology curriculum is designed to provide training for persons interested in the installation and maintenance of electrical/electronic systems found in residential, commercial and industrial facilities.

Training, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, digital electronics, programmable logic controllers, industrial motor controls, the National Electric Code and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical/electronic field as an on-the-job trainer or apprentice, assisting in the layout, installation and maintenance of electrical/electronic systems.

ELECTRICAL/ELECTRONICS TECHNOLOGY
DIPLOMA, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ELC 112	DC/AC Electricity	3	6	0	5	9
MAT 101	Applied Mathematics I	2	2	0	3	4
					9	14
Spring Semester						
ELC 113	Basic Wiring I	2	6	0	4	8
ENG 101	Applied Communications I	3	0	0	3	3
MAT 102	Applied Mathematics II	2	2	0	3	4
					10	15
Summer Semester						
ELC 114	Basic Wiring II	2	6	0	4	8
Fall Semester						
ELC 118	National Electrical Code	1	2	0	2	3
ELC 119	NEC Calculations	1	2	0	2	3
ELC 132	Electrical Drawings	1	3	0	2	4
					6	10

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELC 115	Industrial Wiring	2	6	0	4	8
ELC 135	Electrical Machines I	2	2	0	3	4
					7	12
Summer Semester						
ELC 231	Electric Power Systems	3	2	0	4	5
Fall Semester						
ELC 117	Motors and Controls	2	6	0	4	8
ELC 128	Introduction to PLC	2	3	0	3	5
					7	13
TOTAL HOURS:					**47**	**77**

ELECTRICAL/ELECTRONICS TECHNOLOGY
INDUSTRIAL WIRING CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELC 112	DC/AC Electricity	3	6	0	5	9
MAT 101	Applied Mathematics I	2	2	0	3	4
					8	13
Spring Semester						
ELC 115	Industrial Wiring	2	6	0	4	8
Fall Semester						
ELC 117	Motors and Controls	2	6	0	4	8
ELC 118	National Electrical Code	1	2	0	2	3
					6	11
TOTAL HOURS:					**18**	**32**

Completion of all prerequisites is required before entering this program.

ELECTRICAL/ELECTRONICS TECHNOLOGY
RESIDENTIAL WIRING CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELC 112	DC/AC Electricity	3	6	0	5	9
MAT 101	Applied Mathematics I	2	2	0	3	4
					8	13
Spring Semester						
ELC 113	Basic Wiring I	2	6	0	4	8
Fall Semester						
ELC 118	National Electrical Code	1	2	0	2	3
ELC 119	NEC Calculations	1	2	0	2	3
					4	6
TOTAL HOURS:					**16**	**27**

Electronics Engineering Technology (A40200)

Associate in Applied Science

Curriculum Description:

The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair and modify developmental and production electronic components, equipment and systems such as industrial/computer controls, manufacturing systems, communication systems and power electronic systems.

A broad-based core of courses, including basic electricity, solid-state fundamentals, digital concepts and microprocessors ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the student's ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles including electronics engineering technician, field service technician, maintenance technician, electronic tester, electronic systems integrator, bench technician and production control technician.

ELECTRONICS ENGINEERING TECHNOLOGY
ASSOCIATE IN APPLIED SCIENCE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ELC 131	DC/AC Circuit Analysis	4	3	0	5	7
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
					15-16	19-20
Spring Semester						
ENG 111	Expository Writing	3	0	0	3	3
ELN 131	Electronic Devices	3	3	0	4	6
ELN 133	Digital Electronics	3	3	0	4	6
MAT 162	College Trigonometry	3	0	0	3	3
					14	18

Summer Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELN 132	Linear IC Applications	3	3	0	4	6
ELN 150	CAD for Electronics	1	3	0	2	4
	Select one of the following:					
COM 110	Intro. to Communications	3	0	0	3	3
ENG 114	Professional Research & Reporting	3	0	0	3	3
					9	13
Fall Semester						
CIS 115	Introduction to Programming and Logic	2	2	0	3	4
ELN 232	Intro. to Microprocessors	3	3	0	4	6
ELN 234	Communication System	3	3	0	4	6
PHY 151	College Physics I	3	2	0	4	5
					15	21
Spring Semester						
CSC 132	BASIC Programming	2	3	0	3	5
ELN 233	Microprocessor Systems	3	3	0	4	6
HUM 110	Technology & Society	3	0	0	3	3
PHY 152	College Physics II	3	2	0	4	5
					14	19
TOTAL HOURS:					**67-68**	**90-91**

ELECTRONICS ENGINEERING TECHNOLOGY
ASSOCIATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ELC 131	DC/AC Circuit Analysis	4	3	0	5	7
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					10	13
Spring Semester						
ELN 131	Electronic Devices	3	3	0	4	6
MAT 162	College Trigonometry	3	0	0	3	3
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					9-10	12-13
Summer Semester						
ELN 132	Linear IC Applications	3	3	0	4	6
Fall Semester						
ELN 133	Digital Electronics	3	3	0	4	6
ENG 111	Expository Writing	3	0	0	3	3
					7	9

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
CIS 115	Intro. to Programming & Logic	2	2	0	3	4
ELN 150	CAD for Electronics	1	3	0	2	4
PSY 150	General Psychology	3	0	0	3	3
	Select one of the following:					
COM 110	Introduction to Communication	3	0	0	3	3
ENG 114	Professional Research & Reporting	3	0	0	3	3
					11	14
Summer Semester						
ELN 232	Intro. to Microprocessors	3	3	0	4	6
Fall Semester						
ELN 234	Communication Systems	3	3	0	4	6
HUM 110	Technology & Society	3	0	0	3	3
PHY 151	College Physics I	3	2	0	4	5
					11	14
Spring Semester						
CSC 132	BASIC Programming	2	3	0	3	5
ELN 233	Microprocessor Systems	3	3	0	4	6
PHY 152	College Physics II	3	2	0	4	5
					11	16
TOTAL HOURS:					**67-68**	**90-91**

ELECTRONICS ENGINEERING TECHNOLOGY
APPLIED ELECTRONICS CERTIFICATE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					2-3	3-4
Spring Semester						
ENG 111	Expository Writing	3	0	0	3	3
Summer Semester						
ELN 150	CAD for Electronics	1	3	0	2	4
Fall Semester						
ELN 234	Communication Systems	3	3	0	4	6
Spring Semester						
ELN 232	Intro. to Microprocessors	3	0	0	4	6
TOTAL HOURS:					**15-16**	**22-23**

Completion of all prerequisites is required before entering this program.

ELECTRONICS ENGINEERING TECHNOLOGY
APPLIED ELECTRONICS CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELN 234	Communication Systems	3	3	0	4	6
Spring Semester						
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					2-3	3-4
Summer Semester						
ELN 232	Intro. to Microprocessors	3	3	0	4	6
Fall Semester						
ENG 111	Expository Writing	3	0	0	3	3
Spring Semester						
ELN 150	CAD for Electronics	1	3	0	2	4
TOTAL HOURS:					**15-16**	**22-23**

Completion of all prerequisites is required before entering this program.

ELECTRONICS ENGINEERING TECHNOLOGY
BASIC ELECTRONICS CERTIFICATE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELC 131	DC/AC Circuit Analysis	4	3	0	5	7
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					9	12
Spring Semester						
ELN 131	Electronic Devices	3	3	0	4	6
Summer Semester						
ELN 132	Linear IC Applications	3	3	0	4	6
TOTAL HOURS:					**17**	**24**

ELECTRONICS ENGINEERING TECHNOLOGY
BASIC ELECTRONICS CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELC 131	DC/AC Circuit Analysis	4	3	0	5	7
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					9	12
Spring Semester						
ELN 131	Electronic Devices	3	3	0	4	6
Summer Semester						
ELN 132	Linear IC Applications	3	3	0	4	6
TOTAL HOURS:					**17**	**24**

ELECTRONICS ENGINEERING TECHNOLOGY
DIGITAL ELECTRONICS CERTIFICATE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELN 232	Intro. to Microprocessors	3	3	0	4	6
Spring Semester						
ELN 133	Digital Electronics	3	3	0	4	6
Fall Semester						
ENG 111	Expository Writing	3	0	0	3	3
Spring Semester						
ELN 233	Microprocessor Systems	3	3	0	4	6
TOTAL HOURS:					**15**	**21**

Completion of all prerequisites is required before entering this program.

ELECTRONICS ENGINEERING TECHNOLOGY
DIGITAL ELECTRONICS CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELN 133	Digital Electronics	3	3	0	4	6
Spring Semester						
ELN 232	Intro. to Microprocessors	3	3	0	4	6
ENG 111	Expository Writing	3	0	0	3	3
					7	9
Summer Semester						
ELN 233	Microprocessor Systems	3	3	0	4	6
TOTAL HOURS:					**15**	**21**

Completion of all prerequisites is required before entering this program.

General Occupational Technology (D55280)

Diploma

Curriculum Description:

This curriculum provides individuals with an opportunity to upgrade their skills and to earn an associate degree by taking courses suited for their occupational interests and/or needs.

The curriculum content will be individualized for students according to their occupational interests and needs. A program of study for each student will be selected from associate degree level courses offered by the College.

Graduates will become more effective workers, be better qualified for advancements within their fields of employment or become qualified for a wide range of entry level employment opportunities.

The following courses are primarily intended for students seeking admittance to the Associate Degree Nursing program. However, the curriculum content can be individualized for students seeking to upgrade their skills.

GENERAL OCCUPATIONAL TECHNOLOGY
DIPLOMA, DAY PROGRAM

Summer Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
	Select one of the following:					
BIO 111	General Biology I	3	3	0	4	6
BIO 163	Basic Anatomy & Physiology	4	2	0	5	6
					5-6	7
Fall Semester						
BIO 165	Anatomy & Physiology I	3	3	0	4	6
OST 141	Medical Terminology I	3	0	0	3	3
PSY 110	Life Span Development	3	0	0	3	3
	Major Elective	2-3	0	0	2-3	2-3
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					14-16	17-19

Spring Semester

BIO 166	Anatomy & Physiology II	3	3	0	4	6
COM 110	Intro. to Communication	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
	Major Elective	2-3	0	0	2-3	2-3
	Humanities Elective	3	0	0	3	3
OST 142	Medical Terminology II	3	0	0	3	3
					18-19	20-21

TOTAL HOURS: **37-41 44-47**

Humanities Electives: ART 111, ART 116, HUM 110, HUM 120, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220, MUS 110, MUS 112, MUS 113, PHI 210, PHI 215, PHI 240, REL 110, REL 111, REL 112, REL 211, REL 212, REL 221, SPA 111, SPA 112, SPA 211, SPA 212.

Major Electives: Select 6 hours from the following: BIO 175, CJC 213, HOR 154, OST 149, PSY 115, PSY 141, PSY 150

Horticulture Technology (A15240)

Associate in Applied Science

Curriculum Description:

The Horticulture Technology curriculum is designed to prepare individuals for various careers in horticulture. Classroom instruction and practical laboratory applications of horticulture principles and practices are included in the program of study.

Course work includes plant science, plant materials, propagation, soils, fertilizers, and pest management. Also included are courses in plant production, landscaping, and the management and operation of horticulture businesses.

Graduates should qualify for employment opportunities in nurseries, garden centers, greenhouses, landscape operations, gardens, and governmental agencies. Graduates should also be prepared to take North Carolina Pesticide Applicator's Examination and the North Carolina Certified Plant Professional Examination.

HORTICULTURE TECHNOLOGY
ASSOCIATE IN APPLIED SCIENCE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
COM 110	Intro. to Communication	3	0	0	3	3
HOR 112	Landscape Design I	2	3	0	3	5
HOR 160	Plant Materials I	2	2	0	3	4
HOR 162	Applied Plant Science	2	2	0	3	4
HOR 166	Soils and Fertilizers	2	2	0	3	4
					16	21
Spring Semester						
ENG 111	Expository Writing	3	0	0	3	3
HOR 164	Horticulture Pest Management	2	2	0	3	4
HOR 168	Plant Propagation	2	2	0	3	4
HOR 213	Landscape Design II	2	2	0	3	4
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					14-15	18-19

Summer Semester		Class	Lab	Clin.	Credit	Hrs/Wk
HOR 114	Landscape Construction	2	2	0	3	4
HOR 251	Insects and Diseases	2	2	0	3	4
HOR 260	Plant Materials II	2	2	0	3	4
					9	12
Fall Semester						
HOR 170	Horticulture Computer Appls.	1	3	0	2	4
HOR 245	Horticulture Specialty Crops	2	2	0	3	4
HOR 273	Horticulture Mgt. & Mkt.	3	0	0	3	3
	Select one of the following:					
MAT 140	Survey of Mathematics ***AND***	3	0	0	3	3
MAT 140A	Survey of Mathematics Lab ***OR***	0	2	0	1	2
MAT 161	College Algebra ***AND***	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
					15	19
Spring Semester						
HOR 154	Intro to Horticulture Therapy	2	4	0	4	6
	Humanities Elective	3	0	0	3	3
	Select six credit hours from the following:					
COE 112	Co-op Work Experience I	0	0	20	2	20
COE 115	Work Experience Seminar I	1	0	0	1	1
HOR 225	Nursery Production	2	3	0	3	5
HOR 235	Greenhouse Production	2	2	0	3	4
	Select one of the following:					
HOR 118	Equipment Operation & Maint.	1	3	0	2	4
HOR 255	Interiorscapes	1	2	0	2	3
HOR 257	Arboriculture Practices	1	3	0	2	4
					15	—
TOTAL HOURS:					**69**	—

See selection list for electives at the end of the semester by semester listing for Horticulture Technology.

HORTICULTURE
LANDSCAPING DIPLOMA, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
HOR 112	Landscape Design I	2	3	0	3	5
HOR 160	Plant Materials I	2	2	0	3	4
HOR 162	Applied Plant Science	2	2	0	3	4
HOR 166	Soils and Fertilizers	2	2	0	3	4
HOR 170	Horticulture Computer Appls.	1	3	0	2	4
HOR 273	Horticulture Mgmt. & Mkt.	3	0	0	3	3
					17	24

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
HOR 164	Horticulture Pest Management	2	2	0	3	4
HOR 168	Plant Propagation	2	2	0	3	4
HOR 213	Landscape Design II	2	2	0	3	4
	Select one of the following:					
HOR 118	Equipment Operation & Maint.	1	3	0	2	4
HOR 255	Interiorscapes	1	2	0	2	3
HOR 257	Arboriculture Practices	1	3	0	2	4
	Select one of the following:					
MAT 101	Applied Mathematics I ***OR***	2	2	0	3	4
MAT 140	Survey of Mathematics ***AND***	3	0	0	3	3
MAT 140A	Survey of Mathematics Lab ***OR***	0	2	0	1	2
MAT 161	College Algebra ***AND***	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					14-15	19-21

Summer Semester						
HOR 114	Landscape Construction	2	2	0	3	4
HOR 260	Plant Materials II	2	2	0	3	4
	Select one of the following:					
ENG 101	Applied Communications I	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
					9	11

TOTAL HOURS: **40-41** **54-56**

HORTICULTURE
PLANT PRODUCTION DIPLOMA, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
HOR 160	Plant Materials I	2	2	0	3	4
HOR 162	Applied Plant Science	2	2	0	3	4
HOR 166	Soils and Fertilizers	2	2	0	3	4
HOR 170	Horticulture Computer Appls.	1	3	0	2	4
HOR 245	Horticulture Specialty Crops	2	2	0	3	4
HOR 273	Horticulture Mgmt. & Mkt.	3	0	0	3	3
					17	23

Spring Semester						
HOR 164	Horticulture Pest Management	2	2	0	3	4
HOR 168	Plant Propagation	2	2	0	3	4
HOR 225	Nursery Production	2	2	0	3	4
HOR 235	Greenhouse Production	2	2	0	3	4
	Select one of the following:					
MAT 101	Applied Mathematics I ***OR***	2	2	0	3	4
MAT 140	Survey of Mathematics ***AND***	3	0	0	3	3
MAT 140A	Survey of Math. Lab ***OR***	0	2	0	1	2
MAT 161	College Algebra ***AND***	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					15-16	21-22

Summer Semester		Class	Lab	Clin.	Credit	Hrs/Wk
HOR 160	Plant Materials I	2	2	0	3	4
HOR 251	Insects and Diseases	2	2	0	3	4
HOR 260	Plant Materials II	2	2	0	3	4
	Select one of the following:					
ENG 101	Applied Communications I	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
					9	11

TOTAL HOURS: **41-42 55-56**

HORTICULTURE
CERTIFICATE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
HOR 160	Plant Materials I	2	2	0	3	4
HOR 162	Applied Plant Science	2	2	0	3	4
HOR 166	Soils and Fertilizers	2	2	0	3	4
					9	12
Spring Semester						
HOR 164	Horticulture Pest Management	2	2	0	3	4
HOR 168	Plant Propagation	2	2	0	3	4
					6	8

TOTAL HOURS: **15 20**

HORTICULTURE
CERTIFICATE, LANDSCAPING, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
HOR 112	Landscape Design I	2	3	0	3	5
HOR 160	Plant Materials I	2	2	0	3	4
HOR 166	Soils and Fertilizers	2	2	0	3	4
					9	13
Spring Semester						
HOR 164	Horticulture Pest Management	2	2	0	3	4
HOR 213	Landscape Design II	2	2	0	3	4
					6	8
Summer Semester						
HOR 114	Landscape Construction	2	2	0	3	4

TOTAL HOURS: **18 25**

Humanities Electives: ART 111, ART 116, HUM 110, HUM 120, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220, MUS 110, MUS 112, MUS 113, PHI 210, PHI 215, PHI 240, REL 110, REL 111, REL 112, REL 211, REL 212, REL 221, SPA 111, SPA 112, SPA 211, SPA 212.

Industrial Maintenance (A50240)

Associate in Applied Science

Curriculum Description:

The Industrial Maintenance Technology curriculum is designed to prepare or upgrade individuals to service, maintain, repair, or install equipment for a wide range of industries. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial equipment and physical facilities.

Students will learn technical skills in blueprint reading, electricity hydraulics/pneumatics, machining, welding, and various maintenance procedures. Practical application in these industrial systems will be emphasized and additional advanced course work may be offered.

Upon completion of any of the various levels of this curriculum, graduates should gain the necessary practical skills and related technical information to qualify for employment or advancement in the various areas of industrial maintenance technology.

INDUSTRIAL MAINTENANCE
ASSOCIATE IN APPLIED SCIENCE, DAY & EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
COM 110	Intro. to Communication	3	0	0	3	3
ELC 128	Introduction to PLC (E)	2	3	0	3	5
ELC 112	DC/AC Electricity	3	6	0	5	9
HYD 110	Hydraulics/Pneumatics I (E)	2	3	0	3	5
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					18	27
Spring Semester						
BPR 111	Blueprint Reading (E)	1	2	0	2	3
ELN 131	Electronic Devices	3	3	0	4	6
ELN 133	Digital Electronics	3	3	0	4	6
HUM 110	Technology and Society	3	0	0	3	3
MNT 110	Intro. to Maint. Proced. (E)	1	3	0	2	4
WLD 112	Basic Welding Processes	1	3	0	2	4
					17	26
Summer Semester						
CIS 110	Introduction to Computers	2	2	0	3	4
ENG 111	Expository Writing	3	0	0	3	3
MEC 111	Machine Processes I (E)	2	3	0	3	5
					9	12

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELC 113	Basic Wiring I (E)	2	6	0	4	8
ELC 118	National Electrical Code	1	2	0	2	3
ELN 232	Intro. to Microprocessors	3	3	0	4	6
MNT 240	Ind. Eqpt. Tblshooting (E)	1	3	0	2	4
	Social Science Elective*				2-3	2-3
					14-15	23-24
Spring Semester						
ELC 115	Industrial Wiring (E)	2	6	0	4	8
ELC 117	Motors and Controls (E)	2	6	0	4	8
ELC 119	NEC Calculations	1	2	0	2	3
ENG 116	Technical Report Writing	3	0	0	3	3
WLD 141	Symbols and Specifications	2	2	0	3	4
					16	26
TOTAL HOURS:					**74-75**	**114-115**

***Social Science Elective:** ECO 151, ECO 251, PSY 115, PSY 150, SOC 210, SOC 225.

(E) - Denotes classes offered in evenings only

INDUSTRIAL MAINTENANCE - LEVEL I CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELC 111	Introduction to Electricity	2	2	0	3	4
WLD 112	Basic Welding Processes	1	3	0	2	4
					5	8
Spring Semester						
ELC 128	Introduction to PLC	2	3	0	3	5
MNT 110	Intro. to Maint. Procedures	1	3	0	2	4
					5	9
Summer Semester						
HYD 110	Hydraulics/Pneumatics I	2	3	0	3	5
Fall Semester						
MEC 111	Machine Processes I	2	3	0	3	5
TOTAL HOURS:					**16**	**27**

INDUSTRIAL MAINTENANCE - LEVEL II
CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ELC 113	Basic Wiring I	2	6	0	4	8
Spring Semester						
BPR 111	Blueprint Reading	1	2	0	2	3
Summer Semester						
ELC 115	Industrial Wiring	2	6	0	4	8
Spring Semester						
MNT 240	Indust Equip Troubleshoot.	1	3	0	2	4
TOTAL HOURS:					**12**	**23**

Information Systems (A25260)

Associate in Applied Science

Curriculum Description:

The Information Systems curriculum is designed to prepare graduates for employment with organizations that use computers to process, manage and communicate information. This is a flexible program, designed to meet community information systems needs.

Course work includes computer systems terminology and operations, logic, operating systems, database, data communications/networking and related business topics. Studies will provide experience for students to implement, support and customize industry-standard information systems.

Graduates should qualify for a wide variety of computer-related, entry-level positions that provide opportunities for advancement with increasing experience and ongoing training. Duties may include systems maintenance and troubleshooting, support and training and business applications design and implementation.

INFORMATION SYSTEMS
ASSOCIATE IN APPLIED SCIENCE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 120	Principles of Accounting I	3	2	0	4	5
CIS 110	Introduction to Computers	2	2	0	3	4
NET 110	Data Comm./Networking	2	2	0	3	4
	Humanities Elective	3	0	0	3	3
					14	17
Spring Semester						
CIS 120	Spreadsheet I	2	2	0	3	4
CIS 130	Survey of Operating Systems	2	3	0	3	5
ENG 111	Expository Writing	3	0	0	3	3
NET 125	Routing & Switching I	1	4	0	3	5
OST 136	Word Processing	1	2	0	2	3
					14	20
Summer Semester						
CIS 152	Database Concepts & Apps.	2	2	0	3	4
	Computer Elective				2-3	--
					5-6	--

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
BUS 260	Business Communication	3	0	0	3	3
CIS 115	Intro. to Prog. and Logic	2	2	0	3	4
CIS 215	Hardware Install./Maint.	2	3	0	3	5
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
	Computer Elective				3	--
					16	--
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
CIS 216	Software Installation & Maint.	1	2	0	2	3
COM 110	Intro. to Communication	3	0	0	3	3
	Computer Electives				6	--
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
					17	--
TOTAL HOURS:					**66-67**	--

See selection list for electives at the end of the semester by semester listing for Information Systems.

INFORMATION SYSTEMS
ASSOCIATE IN APPLIED SCIENCE, EVENING PROGRAM

Fall Semester *(offered every year)*		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 120	Principles of Accounting I	3	2	0	4	5
CIS 110	Introduction to Computers	2	2	0	3	4
					8	10
Spring Semester *(offered every year)*						
COM 110	Intro. to Communications	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
OST 136	Word Processing	1	2	0	2	3
					8	9
Summer Semester *(offered every year)*						
NET 110	Data Comm/Networking	2	2	0	3	4

The following will be offered on a rotating basis. The number of students in the program, and their progression in the program, will determine the courses that will be offered and the sequence in which they are offered. See your advisor for specific course offerings.

Fall Semester						
MAT 161	College Algebra	3	0	0	3	1
MAT 161A	College Algebra Lab	0	2	0	1	2
	Computer Elective				3	
					3	--

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
BUS 240	Business Ethics	3	0	0	3	3
CIS 120	Spreadsheets I	2	2	0	3	4
	Computer Elective				3	
					9	--
Summer Semester						
CIS 152	Database Concepts/Apps.	2	2	0	3	4
Fall Semester						
BUS 260	Business Communications	3	0	0	3	3
CIS 130	Survey of Operating Systems	2	3	0	3	5
					6	8
Spring Semester						
CIS 115	Intro. to Programming/Logic	2	2	0	3	4
CIS 172	Intro. to Internet	2	3	0	3	5
					6	9
Summer Semester						
CIS 216	Software Install/Maint.	1	2	0	2	3
Fall Semester						
NET 125	Routing & Switching I	1	4	0	3	5
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Intro. to Sociology	3	0	0	3	3
					6	8
Spring Semester						
CIS 215	Hardware Install/Maintenance	2	3	0	3	5
	Humanities Elective	3	0	0	3	3
					6	8
Summer Semester						
CIS 169	Business Presentations	1	2	0	2	3
TOTAL HOURS:					**66**	--

See selection list for electives at the end of the semester by semester listing for Information Systems.

INFORMATION SYSTEMS
DIPLOMA, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
CIS 110	Introduction to Computers	2	2	0	3	4
ENG 111	Expository Writing	3	0	0	3	3
NET 110	Data Comm./Networking	2	2	0	3	4
					10	12
Spring Semester						
CIS 120	Spreadsheet I	2	2	0	3	4
NET 125	Routing & Switching I	1	4	0	3	5
OST 136	Word Processing	1	2	0	2	3
					8	12
Summer Semester						
CIS 152	Database Concepts & Apps.	2	2	0	3	4
Fall Semester						
BUS 260	Business Communication	3	0	0	3	3
CIS 115	Intro. to Prog. & Logic	2	2	0	3	4
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					10	12
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
CIS 130	Survey of Operating Systems	2	3	0	3	5
CIS 169	Business Presentations	1	2	0	2	3
					8	11
TOTAL HOURS:					**39**	**51**

INFORMATION SYSTEMS
DIPLOMA, EVENING PROGRAM

Fall Semester *(offered every year)*		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
CIS 110	Introduction to Computers	2	2	0	3	4
					4	5
Spring Semester *(offered every year)*						
ENG 111	Expository Writing	3	0	0	3	3
OST 136	Word Processing	1	2	0	2	3
					5	7
Summer Semester *(offered every year)*						
NET 110	Data Comm./Networking	2	2	0	3	4

The following will be offered on a rotating basis. The number of students in the program, and their progression in the program, will determine the courses that will be offered and the sequence in which they are offered. See your advisor for specific course offerings.

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					4	5
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
					6	7
Summer Semester						
CIS 152	Database Concepts & Apps.	2	2	0	3	4
Fall Semester						
BUS 260	Business Communication	3	0	0	3	3
CIS 130	Survey of Operating Systems	2	3	0	3	5
					6	8
Spring Semester						
CIS 115	Intro. to Programming & Logic	2	2	0	3	4
Fall Semester						
NET 125	Routing & Switching I	1	4	0	3	5
Summer Semester						
CIS 169	Business Presentations	1	2	0	2	3
TOTAL HOURS:					**39**	**51**

INFORMATION SYSTEMS
APPLICATIONS CERTIFICATE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
CIS 110	Introduction to Computers	2	2	0	3	4
Spring Semester						
CIS 120	Spreadsheet I	2	2	0	3	4
CIS 169	Business Presentations	1	2	0	2	3
OST 136	Word Processing	1	2	0	2	3
					7	10
Summer Semester						
CIS 152	Database Concepts & Apps.	2	2	0	3	4
TOTAL HOURS:					**13**	**18**

INFORMATION SYSTEMS
APPLICATIONS CERTIFICATE, EVENING PROGRAM

Some of these courses will be offered on a rotating basis. See your advisor for specific course offerings.

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
CIS 110	Introduction to Computers	2	2	0	3	4
Spring Semester						
CIS 120	Spreadsheet I	2	2	0	3	4
OST 136	Word Processing	1	2	0	2	3
					5	7
Summer Semester						
CIS 152	Database Concepts & Apps.	2	2	0	3	4
Spring Semester						
CIS 169	Business Presentations	1	2	0	2	3
TOTAL HOURS:					**13**	**18**

INFORMATION SYSTEMS
NETWORKING CERTIFICATE, DAY PROGRAM

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
NET 125	Routing & Switching I	1	4	0	3	5
Summer Semester						
NET 126	Routing & Switching II	1	4	0	3	5
Fall Semester						
NET 225	Adv. Routing & Switching I	1	4	0	3	5
Spring Semester						
NET 226	Adv. Routing & Switching II	1	4	0	3	5
TOTAL HOURS:					**12**	**20**

Humanities Electives: ART 111, ART 116, HUM 110, HUM 120, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220, MUS 110, MUS 112, MUS 113, PHI 210, PHI 215, PHI 240, REL 110, REL 111, REL 112, REL 211, REL 212, REL 221, SPA 111, SPA 112, SPA 211, SPA 212

Computer Electives: CSC 139, CIS 169, CIS 172, CIS 225, CIS 236, COE 111, COE 115, NET 126, NET 225, NET 226

Pending State Approval

Masonry (D35280)

Diploma

Curriculum Description:

The Masonry curriculum is designed to prepare individuals to work in the construction industry as masons. Masonry courses provide principles and fundamentals of masonry and experiences necessary to produce quality construction, using safe, practical, and reliable work habits.

Course work includes basic mathematics, blueprint reading and methods used in laying out masonry jobs for residential, commercial, and industrial construction. Upon completion, students will be able to read blueprints, estimate structures, construct footings, walks, and lay masonry units.

Upon completion, the student will be issued a certificate or diploma. Graduates should qualify for employment in the masonry industry as apprentices or masons.

MASONRY
DIPLOMA, EVENING PROGRAM

		Class	Lab	Clin.	Credit	Hrs/Wk
Fall Semester						
MAS 110A	Masonry I (A)	2	6	0	4	8
MAS 140	Introduction to Masonry	1	2	0	2	3
					6	11
Spring Semester						
MAS 110B	Masonry I (B)	3	9	0	6	12
Summer Semester						
BPR 130	Blueprint Reading/Const.	1	2	0	2	3
Fall Semester						
MAS 193	Selected Topics in Masonry	1	6	0	3	7
MAT 101	Applied Mathematics I	2	2	0	3	4
					6	11
Spring Semester						
ENG 101	Applied Communications I	3	0	0	3	3
MAS 120A	Masonry II (A)	2	6	0	4	8
					7	11

(continued on next page)

Summer Semester		Class	Lab	Clin.	Credit	Hrs/Wk
MAS 170	Masonry Technology Mgt.	1	2	0	2	3
Fall Semester						
MAS 120B	Masonry II (B)	3	3	0	4	6
Spring Semester						
MAS 130A	Masonry III (A)	3	3	0	4	6
Summer Semester						
MAS 130B	Masonry III (B)	3	3	0	4	6
TOTAL HOURS:					**43**	**75**

MASONRY
CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
MAS 110A	Masonry I (A)	2	6	0	4	8
MAS 140	Introduction to Masonry	1	2	0	2	3
					6	11
Spring Semester						
MAS 110B	Masonry I (B)	3	9	0	6	12
Summer Semester						
BPR 130	Blueprint Reading/Const.	1	2	0	2	3
Fall Semester						
MAS 193	Selected Topics in Masonry	1	6	0	3	7
TOTAL HOURS:					**17**	**33**

Medical Office Administration (A25310)

Associate in Applied Science

Curriculum Description:

This curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing, and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

MEDICAL OFFICE ADMINISTRATION
ASSOCIATE IN APPLIED SCIENCE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 115	College Accounting	3	2	0	4	5
OST 122	Office Computations	1	2	0	2	3
OST 181	Introduction to Office Systems	2	2	0	3	4
OST 184	Records Management	1	2	0	2	3
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					14-15	19-20
Spring Semester						
BIO 163	Basic Anatomy & Physiology	4	2	0	5	6
ENG 111	Expository Writing	3	0	0	3	3
OST 136	Word Processing	1	2	0	2	3
OST 164	Text Editing Applications	3	0	0	3	3
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
					16	18
Summer Semester						
ACC 140	Payroll Accounting	1	2	0	2	3
COM 110	Introduction to Communication	3	0	0	3	3
OST 149	Medical Legal Issues	3	0	0	3	3
					8	9

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
BUS 260	Business Communication	3	0	0	3	3
CIS 172	Introduction to the Internet	2	3	0	3	5
OST 141	Medical Terminology I	3	0	0	3	3
OST 148	Med. Coding, Billing, & Ins.	3	0	0	3	3
OST 236	Advanced Word Processing	2	2	0	3	4
	Humanities Elective	3	0	0	3	3
					18	21
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
CIS 169	Business Presentations	1	2	0	2	3
OST 142	Medical Terminology II	3	0	0	3	3
OST 241	Medical Office Transcription I	1	2	0	2	3
OST 243	Medical Office Simulation	2	2	0	3	4
					16	20
TOTAL HOURS					72-73	87-88

MEDICAL OFFICE ADMINISTRATION CERTIFICATE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
OST 141	Medical Terminology I — Medical Office	3	0	0	3	3
Spring Semester						
OST 136	Word Processing	1	2	0	2	3
OST 142	Medical Terminology II — Medical Office	3	0	0	3	3
OST 241	Medical Transcription	1	2	0	2	3
					7	9
Summer Semester						
OST 149	Medical Legal Issues	3	0	0	3	3
TOTAL HOURS					**13**	**15**

MEDICAL OFFICE ADMINISTRATION CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
OST 136	Word Processing	1	2	0	2	3
OST 141	Medical Terminology I — Medical Office	3	0	0	3	3
					5	6
Spring Semester						
OST 142	Medical Terminology II — Medical Office	3	0	0	3	3
OST 241	Medical Transcription	1	2	0	2	3
					5	6
Summer Semester						
OST 149	Medical Legal Issues	3	0	0	3	3
TOTAL HOURS					**13**	**15**

Humanities Electives: ART 111, ART 116, HUM 110, HUM 120, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220, MUS 110, MUS 112, MUS 113, PHI 210, PHI 215, PHI 240, REL 110, REL 111, REL 112, REL 211, REL 212, REL 221, SPA 111, SPA 112, SPA 211, SPA 212.

Associate Degree Nursing, Non-Integrated (A45120)

Curriculum Description:

The Associate Degree Nursing curriculum provides individuals with the knowledge and skills necessary to provide nursing care to clients and groups of clients throughout the lifespan in a variety of settings.

Courses will include content related to the nurse's role as provider of nursing care, as manager of care, as a member of the discipline of nursing and as a member of the interdisciplinary team.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN) which is required for practice as a Registered Nurse. Employment opportunities include hospitals, longterm care facilities, clinics, physicians' offices, industry and community agencies.

Eligibility for listing as a Nursing Assistant comes after the **SPRING** semester of the **FIRST** year.

ASSOCIATE DEGREE NURSING
DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
BIO 165	Anatomy & Physiology I	3	3	0	4	6
NUR 115	Fundamentals of Nursing	2	3	6	5	11
NUR 118	Nutrition/Diet Therapy	2	0	0	2	2
PSY 110	Life Span Development	3	0	0	3	3
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					17-18	26-27
Spring Semester						
BIO 166	Anatomy & Physiology II	3	3	0	4	6
NUR 117	Pharmacology	1	3	0	2	4
NUR 135	Adult Nursing I	5	3	9	9	17
	Select one of the following:					
NUR 133	Nursing Assessment	2	3	0	3	5
NUR 189	Nursing Transition*	1	3	0	2	4
					17-18	31-32
Summer Semester						
ENG 111	Expository Writing	3	0	0	3	3
NUR 185	Mental Health Nursing	3	0	6	5	9
					8	12

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
NUR 116	Nursing of Older Adults	2	3	3	4	8
NUR 125	Maternal-Child Nursing	5	3	6	8	14
	Humanities Elective	3	0	0	3	3
					15	25
Spring Semester						
COM 110	Introduction to Communication	3	0	0	3	3
NUR 188	Nursing in the Community	1	0	6	3	7
NUR 235	Adult Nursing II	4	3	15	10	22
					16	32
TOTAL HOURS:					**73-75**	**126-128**

Humanities Electives: ART 111, ART 116, HUM 110, HUM 120, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220, MUS 110, MUS 112, MUS 113, PHI 210, PHI 215, PHI 240, REL 110, REL 111, REL 112, REL 211, REL 212, REL 221, SPA 111, SPA 112, SPA 211, SPA 212.

** To be taken by LPNs applying to enter the program*

An agreement has been developed between Mayland Community College and Lees-McRae College (LMC) to offer a RN to BSN completion program on the MCC Campus effective Fall, 2000. Contact the Lees-McRae College Director of Nursing for more information.

Nursing Assistant (C45480)

Certificate

Curriculum Description:

The Nursing Assistant curriculum prepares individuals to work under the supervision of licensed health care professionals in performing nursing care and services for persons of all ages.

Course work emphasizes growth and development throughout the life span, personal care, vital signs, communication, nutrition, medical asepsis, therapeutic activities, accident and fire safety, household environment and equipment management, family resources and services, and employment skills.

Graduates of this curriculum may be eligible to be listed on the registry as a Nursing Assistant I and Nursing Assistant II. They may be employed in home health agencies, hospitals, clinics, nursing homes, extended care facilities and doctors' offices.

NURSING ASSISTANT CERTIFICATE

		Class	Lab	Clin.	Credit	Hrs/Wk
NAS 101	Nursing Assistant I	3	2	3	5	8
NAS 102	Nursing Assistant II	3	2	6	6	11
NAS 103	Home Health Care	2	0	0	2	2
TOTAL HOURS:					**13**	**21**

The Nursing Assistant Certificate is offered both day and evening periodically throughout the year.

Office Systems Technology (A25360)

Associate in Applied Science

Curriculum Description:

The Office Systems Technology curriculum prepares individuals for positions in administrative support careers. It equips office professionals to respond to the demands of a dynamic, computerized workplace.

Students will complete courses designed to develop proficiency in the use of integrated software, oral and written communication, analysis and coordination of office duties and systems and other support topics. Emphasis is placed on non-technical as well as technical skills.

Graduates should qualify for employment in a variety of positions in business, government and industry. Job classifications range from entry-level to supervisor to middle management.

OFFICE SYSTEMS TECHNOLOGY
ASSOCIATE IN APPLIED SCIENCE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 115	College Accounting	3	2	0	4	5
BUS 115	Business Law I	3	0	0	3	3
OST 181	Introduction to Office Systems	2	2	0	3	4
OST 184	Records Management	1	2	0	2	3
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					15-16	19-20
Spring Semester						
ENG 111	Expository Writing	3	0	0	3	3
OST 134	Text Entry and Formatting	2	2	0	3	4
OST 136	Word Processing	1	2	0	2	3
OST 164	Text Editing Applications	3	0	0	3	3
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
					14	16
Summer Semester						
ACC 140	Payroll Accounting	1	2	0	2	3
CIS 152	Database Concepts & Apps	2	2	0	3	4
COM 110	Introduction to Commuication	3	0	0	3	3
					8	10

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
BUS 260	Business Communication	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
CIS 172	Introduction to the Internet	2	3	0	3	5
MAT 140	Survey of Mathematics	3	0	0	3	3
MAT 140A	Survey of Mathematics Lab	0	2	0	1	2
OST 122	Office Computations	1	2	0	2	3
OST 236	Advanced Word Processing	2	2	0	3	4
					18	24
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
CIS 169	Business Presentations	1	2	0	2	3
CIS 225	Integrated Software	1	2	0	2	3
OST 233	Office Publications Design	2	2	0	3	4
OST 289	Office Systems Management	2	2	0	3	4
	Humanities Elective	3	0	0	3	3
					16	20
TOTAL HOURS					**71-72**	**89-90**

See selection list for electives at the end of the semester by semester listing for Office Systems Technology.

OFFICE SYSTEMS TECHNOLOGY
ASSOCIATE IN APPLIED SCIENCE, EVENING PROGRAM

Fall Semester *(offered every year)*		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 120	Principles of Accounting I	3	2	0	4	5
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					7-8	9-10
Spring Semester *(offered every year)*						
ENG 111	Expository Writing	3	0	0	3	3
OST 136	Word Processing	1	2	0	2	3
OST 181	Introduction to Office Systems	2	2	0	3	4
					8	10
Summer Semester *(offered every year)*						
ACC 140	Payroll Accounting	1	2	0	2	3

The following will be offered on a rotating basis. The number of students in the program, and their progression in the program, will determine the courses that will be offered and the sequence in which they are offered. See your advisor for specific course offerings.

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
OST 122	Office Computations	1	2	0	2	3
OST 164	Text Editing Applications	3	0	0	3	3
					5	6
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
COM 110	Introduction to Communication	3	0	0	3	3
OST 184	Records Management	1	2	0	2	3
					11	13
Summer Semester						
CIS 152	Database Concepts and Apps.	2	2	0	3	4
Fall Semester						
BUS 115	Business Law I	3	0	0	3	3
BUS 260	Business Communication	3	0	0	3	3
OST 233	Office Publications Design	2	2	0	3	4
					9	10
Spring Semester						
CIS 172	Introduction to the Internet	2	3	0	3	5
OST 134	Text Entry and Formatting	2	2	0	3	4
MAT 140	Survey of Mathematics	3	0	0	3	3
MAT 140A	Survey of Mathematics Lab	1	2	0	1	2
					10	14
Fall Semester						
OST 236	Advanced Word Processing	2	2	0	3	4
	Select one of the following:					
PSY 150	General Psychology	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
					6	7
Spring Semester						
CIS 225	Integrated Software	1	2	0	2	3
OST 289	Office Systems Management	2	2	0	3	4
	Humanities Elective	3	0	0	3	3
					8	10
Summer Semester						
CIS 169	Business Presentations	1	2	0	2	3
TOTAL HOURS:					**71-72**	**89-90**

See selection list for electives at the end of the semester by semester listing for Office Systems Technology.

OFFICE SYSTEMS TECHNOLOGY
DIPLOMA, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 115	College Accounting	3	2	0	4	5
OST 181	Introduction to Office Systems	2	2	0	3	4
OST 184	Records Management	1	2	0	2	3
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					12-13	16-17
Spring Semester						
ENG 111	Expository Writing	3	0	0	3	3
OST 134	Text Entry and Formatting	2	2	0	3	4
OST 136	Word Processing	1	2	0	2	3
OST 164	Text Editing Applications	3	0	0	3	3
					11	13
Summer Semester						
ACC 140	Payroll Accounting	1	2	0	2	3
Fall Semester						
CIS 120	Spreadsheet I	2	2	0	3	4
OST 122	Office Computations	1	2	0	2	3
					5	7
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
COM 110	Introduction to Communication	3	0	0	3	3
					6	6
TOTAL HOURS					**36-37**	**45-46**

OFFICE SYSTEMS TECHNOLOGY
DIPLOMA, EVENING PROGRAM

Fall Semester *(offered every year)*		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
ACC 120	Principles of Accounting I	3	2	0	4	5
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					7-8	9-10
Spring Semester *(offered every year)*						
ENG 111	Expository Writing	3	0	0	3	3
OST 136	Word Processing	1	2	0	2	3
OST 181	Introduction to Office Systems	2	2	0	3	4
					8	10
Summer Semester *(offered every year)*						
ACC 140	Payroll Accounting	1	2	0	2	3

The following will be offered on a rotating basis. The number of students in the program, and their progression in the program, will determine the courses that will be offered and the sequence in which they are offered. See your advisor for specific course offerings.

Fall Semester						
OST 122	Office Computations	1	2	0	2	3
OST 164	Text Editing Applications	3	0	0	3	3
					5	6
Spring Semester						
BUS 240	Business Ethics	3	0	0	3	3
CIS 120	Spreadsheet I	2	2	0	3	4
COM 110	Introduction to Communication	3	0	0	3	3
OST 184	Records Management	1	2	0	2	3
					11	13
Spring Semester						
OST 134	Text Entry and Formatting	2	2	0	3	4

TOTAL HOURS: **36-37 45-46**

OFFICE SYSTEMS TECHNOLOGY
CERTIFICATE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
OST 122	Office Computations	1	2	0	2	3
OST 181	Introduction to Office Systems	2	2	0	3	4
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					7-8	10-11
Spring Semester						
OST 136	Word Processing	1	2	0	2	3
OST 164	Text Editing Applications	3	0	0	3	3
					5	6
TOTAL HOURS					**12-13**	**16-17**

OFFICE SYSTEMS TECHNOLOGY
CERTIFICATE, EVENING PROGRAM

Some of these courses are offered on a rotating basis. See your advisor for specific course offerings.

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
OST 122	Office Computations	1	2	0	2	3
OST 164	Text Editing Applications	3	0	0	3	3
	Select one of the following:					
CIS 110	Introduction to Computers	2	2	0	3	4
CIS 111	Basic PC Literacy	1	2	0	2	3
					7-8	9-10
Spring Semester						
OST 136	Word Processing	1	2	0	2	3
OST 181	Introduction to Office Systems	2	2	0	3	4
					5	7
TOTAL HOURS					**12-13**	**16-17**

Humanities Electives: ART 111, ART 116, HUM 110, HUM 120, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220, MUS 110, MUS 112, MUS 113, PHI 210, PHI 215, PHI 240, REL 110, REL 111, REL 112, REL 211, REL 212, REL 221, SPA 111, SPA 112, SPA 211, SPA 212.

Pending State Approval for 2002-2003

Plumbing
(D35300)

Associate in Applied Science

Curriculum Description:

The Plumbing curriculum is designed to give individuals the opportunity to acquire basic skills to assist with the installation and repair of plumbing systems in residential and small buildings.

Course work includes sketching diagrams, interpretation of blueprints, and practices in plumbing assembly. Students will gain knowledge of state codes and requirements.

Graduates should qualify for employment at part supply houses, maintenance companies, and plumbing contractors to assist with various plumbing applications.

PLUMBING
DIPLOMA, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
PLU 130	Plumbing Systems	3	9	0	6	12
WLD 112	Basic Welding Processes	1	3	0	2	4
					8	16
Spring Semester						
PLU 120	Plumbing Applications	4	15	0	9	19
Summer Semester						
PLU 160	Plumbing Estimates	1	2	0	2	3
BPR 130	Blueprint Reading/Const.	1	2	0	2	3
					4	6

(continued on next page)

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
MAT 101	Applied Mathematics I	2	2	0	3	4
PLU 140	Intro. to Plumbing Codes	1	3	0	2	3
					5	7
Spring Semester						
ENG 101	Applied Communications I	3	0	0	3	3
PLU 150	Plumbing Diagrams	1	3	0	2	3
					5	6
Summer Semester						
PLU 211	Commercial/Ind. Plumbing	2	2	0	3	4
Fall Semester						
PLU 110	Modern Plumbing	4	15	0	9	19
TOTAL HOURS					**43**	**77**

PLUMBING
CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
PLU 130	Plumbing Systems	3	9	0	6	12
Spring Semester						
PLU 120	Plumbing Applications	4	15	0	9	19
Summer Semester						
PLU 160	Plumbing Estimates	1	2	0	2	3
TOTAL HOURS					**17**	**34**

Truck Driving Training (C60300)

Certificate

This program is offered through a collaborative agreement with Caldwell Community College and Technical Institute, Hudson, North Carolina.

Curriculum Description:

The Truck Driving Training curriculum prepares individuals to drive tractor trailer rigs. This program teaches proper driving procedures, safe driver responsibility, commercial motor vehicle laws and regulations, and the basic principles and practices for operating commercial vehicles.

The course work includes motor vehicle laws and regulations, map reading, vehicle maintenance, safety procedures, daily logs, defensive driving, freight handling, security and fire protection. Highway driving training range exercises, and classroom lectures are used to develop the student's knowledge and skills.

Graduates of the curriculum are qualified to take the Commercial Driver's License exam and are employable by commercial trucking firms. They may also become owner-operators and work as private contract haulers.

		Class	Lab	Clin.	Credit	Hrs/Wk
TRP 100	Truck Driver Training	6	18	0	12	24

Refer to Caldwell Community College and Technical Institute Catalog for course description.

Note: Graduates from this program must have a reading score of 65 or better on the Computerized Placement Test or must have successfully completed RED 080 - Introduction to College Reading.

For more information, contact MCC Student Development Services.

Welding Technology (D50420)

Diploma

Curriculum Description:

The Welding Technology curriculum provides students with a sound understanding of the science, technology and application essential for successful employment in the welding and metals industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection and destructive and non-destructive testing provides the student with industry-standard skills developed through classroom training and practical application.

Successful graduates of the Welding Technology curriculum may be employed as entry level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision and welding-related self-employment.

WELDING
DIPLOMA, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ENG 101	Applied Communications I	3	0	0	3	3
WLD 110	Cutting Processes	1	3	0	2	4
WLD 112	Basic Welding Processes	1	3	0	2	4
WLD 115	SMAW (Stick) Plate	2	9	0	5	11
WLD 121	GMAW (MIG) FCAW/Plate	2	6	0	4	8
					16	30
Spring Semester						
MAT 101	Applied Mathematics I	2	2	0	3	4
WLD 116	SMAW (Stick) Plate/Pipe	1	9	0	4	10
WLD 122	GMAW (MIG) Plate/Pipe	1	6	0	3	7
WLD 131	GTAW (TIG) Plate	2	6	0	4	8
					14	29
Summer Semester						
WLD 141	Symbols & Specifications	2	2	0	3	4
WLD 151	Fabrication I	2	6	0	4	8
					7	12
Fall Semester						
WLD 143	Welding Metallurgy	1	2	0	2	3
WLD 261	Certification Practices	1	3	0	2	4
					4	7
TOTAL HOURS:					**41**	**78**

WELDING
DIPLOMA, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
WLD 112	Basic Welding Processes	1	3	0	2	4
WLD 115	SMAW (Stick) Plate	2	9	0	5	11
					7	15
Spring Semester						
WLD 110	Cutting Processes	1	3	0	2	4
WLD 116A	SMAW (Stick) Plate/Pipe A	1	3	0	2	4
WLD 121	GMAW (MIG) FCAW/Plate	2	6	0	4	8
					8	16
Summer Semester						
ENG 101	Applied Communications I	3	0	0	3	3
WLD 116B	SMAW (Stick) Plate/Pipe B	0	6	0	2	6
					5	9
Fall Semester						
WLD 122	GMAW (MIG) Plate/Pipe	1	6	0	3	7
WLD 131	GTAW (TIG) Plate	2	6	0	4	8
					7	15
Spring Semester						
MAT 101	Applied Mathematics I	2	2	0	3	4
WLD 143	Welding Metallurgy	1	2	0	2	3
WLD 151	Fabrication I	2	6	0	4	8
					9	15
Summer Semester						
WLD 141	Symbols & Specifications	2	2	0	3	4
WLD 261	Certification Practices	1	3	0	2	4
					5	8
TOTAL HOURS:					**41**	**78**

WELDING
LEVEL I CERTIFICATE, DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
WLD 110	Cutting Processes	1	3	0	2	4
WLD 112	Basic Welding Processes	1	3	0	2	4
WLD 115	SMAW (Stick) Plate	2	9	0	5	11
WLD 121	GMAW (MIG) FCAW/Plate	2	6	0	4	8
TOTAL HOURS:					**13**	**27**

WELDING
LEVEL I CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
WLD 112	Basic Welding Processes	1	3	0	2	4
WLD 115	SMAW (Stick) Plate	2	9	0	5	11
					7	15
Spring Semester						
WLD 110	Cutting Processes	1	3	0	2	4
WLD 121	GMAW (MIG) FCAW/Plate	2	6	0	4	8
					6	12
TOTAL HOURS:					13	27

WELDING
LEVEL II CERTIFICATE, DAY PROGRAM

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
WLD 116	SMAW (Stick) Plate/Pipe	1	9	0	4	10
WLD 122	GMAW (MIG) Plate/Pipe	1	6	0	3	7
WLD 131	GTAW (TIG) Plate	2	6	0	4	8
					11	25
Summer Semester						
WLD 141	Symbols & Specifications	2	2	0	3	4
TOTAL HOURS:					**14**	**29**

WELDING
LEVEL II CERTIFICATE, EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
WLD 122	GMAW (MIG) Plate/Pipe	1	6	0	3	7
WLD 131	GTAW (TIG) Plate	2	6	0	4	8
					7	15
Spring Semester						
WLD 116A	SMAW (Stick) Plate/Pipe A	1	3	0	2	4
Summer Semester						
WLD 116B	SMAW (Stick) Plate/Pipe B	0	6	0	2	6
WLD 141	Symbols & Specifications	2	2	0	3	4
					5	10
TOTAL HOURS:					**14**	**29**

Notes

Transfer Programs

Transfer programs are designed for Mayland's students 1) who plan to transfer to four-year institutions to continue their formal education for baccalaureate degrees or 2) who wish to earn associates degrees in curriculum majors not awarded at Mayland Community College, but through articulation agreements with other two-year colleges they can complete a significant number of credit hours at Mayland. Students interested in any transfer program listed in this section should discuss transferring to the other institutions with representatives of those institutions early in their studies at Mayland Community College. Furthermore, transfer students will work with their academic advisors at Mayland to plan their programs of study to meet the requirements of the colleges to which they plan to transfer. Entrance requirements for transfer students vary among two-year and senior institutions. The transfer of credits is a privilege granted by the institutions to which the students plan to transfer, and all applicants and requests for transfer credits are evaluated individually. All students must complete courses at Mayland Community College with grades acceptable to the institutions to which they plan to transfer.

MCC's Transfer Programs are:

- Associate in Arts (A10100)
- Associate in Arts Pre-Major, Birth to Kindergarten (A10100K)
- Associate in Arts Pre-Business Administration (A1010B)
- Associate in Arts Pre-Criminal Justice (A1010D)
- Associate in Arts Pre-Elementary Education (A1010P)
- Associate in General Education- Business Administration Concentration: Marketing and Retailing (A10300M)
- Associate in General Education- Business Administration Concentration: Operations Management (A10300O)
- Associate in General Education- Forest Management Technology (A10300F)
- Associate in General Education- Physical Therapy Assistant (A10300P)
- Associate in Science (A10400)

Associate in Arts (A10100)

Curriculum Description:

The College Transfer Program is designed for the students who plan to transfer to four-year institutions to continue their formal education for Baccalaureate Degrees. The program of study includes a general education core of 44 semester hours credit distributed as follows:

English Composition (6)
Humanities/Fine Arts (12)
Social/Behavioral Sciences (12)
Natural Sciences/Mathematics (14)

Students who complete this core may be eligible to transfer to any of the state public four-year institutions and satisfy the general education requirements there. Students who complete the additional required hours (20-21) for the degree may be eligible to transfer and enter with junior class standing.

Students who are planning to transfer to a private college or out-of-state institution should consult with that institution for academic course selection guidance.

The students' faculty advisors should be consulted for a listing of the courses that will satisfy the degree requirements for transfer purposes.

ASSOCIATE IN ARTS - COLLEGE TRANSFER DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
CIS 110	Introduction to Computers	2	2	0	3	4
COM 110	Intro. to Communication	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
					16	17
Spring Semester						
ENG 113	Literary-Based Research	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Other Required Hours Electives	7	0	0	7	7
					16	16

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
MAT 161	College Algebra *AND*	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
	Natural Science Elective	3	2-3	0	4	5-6
	Humanities/Fine Arts Elective	3	0	0	3	3
	OR					
	Literature Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Other Req. Hours Elec. (3 hrs.)	0-3	0-3	0	3	1-3
					17	17-20
Spring Semester						
	Natural Science Elective	3	2-3	0	4	5-6
	Mathematics Elective	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	OR					
	Literature Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	
	OR					
	History Elective	3	0	0	3	3
	Other Req. Hours Elec. (3 hrs.)	0-3	0-3	0	3	1-3
					16	15-18
TOTAL HOURS:					**65**	**64-70**

ASSOCIATE IN ARTS - COLLEGE TRANSFER EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
CIS 110	Introduction to Computers	2	2	0	3	4
ENG 111	Expository Writing	3	0	0	3	3
					7	8
Spring Semester						
COM 110	Intro. to Communication	3	0	0	3	3
ENG 113	Literary-Based Research	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
					9	9
Summer Semester						
	Humanities/Fine Arts Elective	3	0	0	3	3

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
BIO 111	Biology I	3	3	0	4	6
	Literature Elective	3	0	0	3	3
	OR					
	Humanities/Fine Arts Elective	3	0	0	3	3
	History Elective	3	0	0	3	3
	OR					
	Social/Behavioral Sc. Elective	3	0	0	3	3
					10	12
Spring Semester						
BIO 112	Biology II	3	3	0	4	6
	Literature Elective	3	0	0	3	3
	OR					
	Humanities/Fine Arts Elective	3	0	0	3	3
	History Elective	3	0	0	3	3
	OR					
	Social/Behavioral Sc. Elective	3	0	0	3	3
					10	12
Summer Semester						
	Other Req. Hours Elective	3	0	0	3	3
Fall Semester						
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
	Literature Elective	3	0	0	3	3
	OR					
	Humanities/Fine Arts Elective	3	0	0	3	3
	History Elective	3	0	0	3	3
	OR					
	Social/Behavioral Sc. Elective	3	0	0	3	3
					10	11
Spring Semester						
	Mathematics Elective	3	2	0	4	5
	Other Req. Hours Electives	6	0	0	6	6
					10	11
Summer Semester						
	Other Req. Hours Elective	3	0	0	3	3
TOTAL HOURS:					**65**	**72**

History Electives (3 SHC)
Students must take at least one history course. HIS 111, HIS 112, HIS 121, HIS 122, HIS 131, HIS 132

Humanities/Fine Arts Electives (9 SHC) Select **three** courses from at least **two** of the following discipline areas: art, drama, dance, foreign languages, interdisciplinary humanities, music, philosophy, and religion. ART 111, ART 116, DAN 110, DRA 111, HUM 110, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 220, MUS 110, MUS 113, PHI 210, PHI 240, REL 110, REL 211, REL 212, REL 221, SPA 111, SPA 112

Literature Electives (3 SHC)
Students must take at least one literature course. ENG 131, ENG 231, ENG 232, ENG 241, ENG 242

Mathematics I Electives (3 SHC) MAT 140, MAT 161

Mathematics II Electives (3 SHC) MAT 151, MAT 162, MAT 165

Natural Science Electives (8 SHC)
Select two courses, including accompanying laboratory work, from among the biological and physical science disciplines: AST 111, AST 111A, BIO 111, BIO 112, CHM 151, CHM 152, GEL 111, PHY 151, PHY 152

Social/Behaviorial Science Electives (9 SHC) Select **three** courses from at least **two** of the following discipline areas: anthropology, economics, geography, history, political science, psychology, and sociology. ANT 221, ECO 151, ECO 251, ECO 252, GEO 111, GEO 112, GEO 130, POL 110, POL 120, POL 210, PSY 150, PSY 237, PSY 239, PSY 241, PSY 281, SOC 210, SOC 213, SOC 220, SOC 225

Other Required Hours Electives (14 SHC)
Select fourteen (14) semester hours credit from core classes not selected above or any of the following:

Humanities/Fine Arts: ART 117, ART 121, ART 131, ART 132, ART 240, ART 241, ART 260, ART 261, DRA 122, DRA 126, ENG 125, ENG 126, ENG 233, ENG 243, ENG 251, ENG 252, ENG 261, ENG 262, ENG 272, ENG 273, ENG 274, HUM 120, HUM 211, HUM 212, MUS 112, PHI 215, REL 111, REL 112, SPA 141, SPA 211, SPA 212

Physical Education/Health: HEA 110, HEA 112, PED 110, PED 111, PED 113, PED 114, PED 119, PED 120, PED 122, PED 125, PED 126, PED 142, PED 152, PED 153, PEd 155, PED 173, PED 177, PED 181, PED 182, PED 211

Speech/Communications: COM 120, COM 130, COM 231

Social/Behavioral Sciences: HIS 115, HIS 162, HIS 221, SOC 230

Natural Sciences/Mathematics: BIO 110, BIO 120, BIO 140, BIO 140A, BIO 165, BIO 166, BIO 175, BIO 275, CIS 115, MAT 140A, MAT 151A, MAT 161A, MAT 171, MAT 172, MAT 175, MAT 175A, MAT 263, MAT 271, MAT 272, MAT 273, PHY 251, PHY 252

SUMMARY:

Required:	ACA 111, CIS 110, COM 110, ENG 111, ENG 113	
	TOTAL	13 SHC
	Fine Arts	9 SHC
	Mathematics	6 SHC
	Natural Science	8 SHC
	History	3 SHC
	Literature	3 SHC
	Social Behavioral Science	9 SHC
	Other Required Hours	14 SHC
	Total	65 SHC

Associate in Arts - Pre-Major, Birth to Kindergarten (A10100K)

Curriculum Description:

The College Transfer Program is designed for the students who plan to transfer to four-year institutions to continue their formal education for Baccalaureate Degrees. The program of study includes a general education core of 44 semester hours credit distributed as follows:

English Composition (6)
Humanities/Fine Arts (12)
Social/Behavioral Sciences (12)
Natural Sciences/Mathematics (14)

Students who complete this core may be eligible to transfer to any of the state public four-year institutions and satisfy the general education requirements there. Students who complete the additional required hours (20-21) for the degree may be eligible to transfer and enter with junior class standing.

Students who are planning to transfer to a private college or out-of-state institution should consult with that institution for academic course selection guidance.

The students' faculty advisors should be consulted for a listing of the courses that will satisfy the degree requirements for transfer purposes.

ASSOCIATE IN ARTS - PRE-MAJOR, BIRTH TO KINDERGARTEN DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
CIS 110	Introduction to Computers	2	2	0	3	4
COM 110	Intro. to Communication	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
					16	17
Spring Semester						
ENG 113	Literary-Based Research	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Early Childhood Electives	8	0	0	8	8
					17	17

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
MAT 161	College Algebra *AND*	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
	Natural Science Elective	3	2-3	0	4	5-6
	Humanities/Fine Arts Elective	3	0	0	3	3
	OR					
	Literature Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Early Childhood Elective	3	0	0	3	3
					17	17-20
Spring Semester						
	Natural Science Elective	3	2-3	0	4	5-6
	Mathematics Elective	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	OR					
	Literature Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Early Childhood Elective	3	0	0	3	3
					16	15-18
TOTAL HOURS					**65**	**64-70**

(continued at top of next page)

Based on an agreement with Western Carolina University, eight additional credit hours will need to be completed prior to matriculation into the WCU Birth to Kindergarten program. A Certificiate in General Occupational Technology will be awarded for these additional hours. See Early Childhood advisor for details.

History Electives (3 SHC)
Students must take at least one history course. HIS 111, HIS 112, HIS 121, HIS 122, HIS 131, HIS 132

Humanities/Fine Arts Electives (9 SHC) Select **three** courses from at least **two** of the following discipline areas: art, drama, dance, foreign languages, interdisciplinary humanities, music, philosophy, and religion. ART 111, ART 116, DAN 110, DRA 111, HUM 110, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 220, MUS 110, MUS 113, PHI 210, PHI 240, REL 110, REL 211, REL 212, REL 221, SPA 111, SPA 112

Literature Electives (3 SHC)
Students must take at least one literature course. ENG 131, ENG 231, ENG 232, ENG 241, ENG 242

Mathematics I Electives (3 SHC) MAT 140, MAT 161

Mathematics II Electives (3 SHC) MAT 151, MAT 162, MAT 165

Natural Science Electives (8 SHC)
Select two courses, including accompanying laboratory work, from among the biological and physical science disciplines: AST 111, AST 111A, BIO 111, BIO 112, CHM 151, CHM 152, GEL 111, PHY 151, PHY 152

Social/Behaviorial Science Electives (9 SHC) Select **three** courses from at least **two** of the following discipline areas: anthropology, economics, geography, history, political science, psychology, and sociology. ANT 221, ECO 151, ECO 251, ECO 252, GEO 111, GEO 112, GEO 130, POL 110, POL 120, POL 210, PSY 150, PSY 237, PSY 239, PSY 241, PSY 281, SOC 210, SOC 213, SOC 220, SOC 225

Other Required Hours Electives (14 SHC)
Select fourteen (14) semester hours credit from core classes not selected above or any of the following:

Electives: EDU 111, EDU 112, EDU 119, EDU 131, EDU 144, EDU 145, EDU 146, EDU 221, MAT 140A, MAT 151A, MAT 161A

Associate in Arts - Pre-Business Administration (A1010B)

Curriculum Description:

The College Transfer Program is designed for the students who plan to transfer to four-year institutions to continue their formal education for Baccalaureate Degrees. The program of study includes a general education core of 44 semester hours credit distributed as follows:

English Composition (6)
Humanities/Fine Arts (12)
Social/Behavioral Sciences (12)
Natural Sciences/Mathematics (14)

Students who complete this core may be eligible to transfer to any of the state public four-year institutions and satisfy the general education requirements there. Students who complete the additional required hours (20-21) for the degree may be eligible to transfer and enter with junior class standing.

Students who are planning to transfer to a private college or out-of-state institution should consult with that institution for academic course selection guidance.

The students' faculty advisors should be consulted for a listing of the courses that will satisfy the degree requirements for transfer purposes.

ASSOCIATE IN ARTS - PRE-BUSINESS ADMINISTRATION DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACC 120	Principles of Accounting I	3	2	0	4	5
CIS 110	Intro. to Computers	2	2	0	3	4
COM 110	Intro. to Communication	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
	Select one of the following:					
MAT 161	College Algebra *AND*	3	0	0	3	3
MAT 161A	College Algebra Lab *OR*	0	2	0	1	2
MAT 171	Precalculus Algebra	3	0	0	3	3
					16-17	19-20

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACC 121	Principles of Accounting II	3	2	0	4	5
MAT 263	Brief Calculus	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Select one of the following:					
ENG 112	Argument-Based Research	3	0	0	3	3
ENG 113	Literature Based Research	3	0	0	3	3
ENG 114	Professional Res. and Reporting	3	0	0	3	3
					16	17
Summer Semester						
BUS 228	Business Statistics	2	2	0	3	4
Fall Semester						
ECO 251	Principles of Microeconomics I	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	OR					
	Literature Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Select one of the following:					
BIO 111	General Biology	3	3	0	4	6
PHY 151	College Physics I	3	2	0	4	5
					16	18
Spring Semester						
ECO 252	Principles of Macroeconomics	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
	OR					
	Literature Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Select one of the following:					
BIO 112	General Biology II	3	3	0	4	6
PHY 152	College Physics II	3	2	0	4	5
					13	14-15
TOTAL HOURS:					**65**	**72-73**

NOTE: Social/Behavioral Sciences The following are recommended:

POL 120	American Government
PSY 150	General Psychology
SOC 210	Introduction to Sociology

Humanities/Fine Arts Elective (6 SHC) Select **three** courses from at least **two** of the following discipline areas: music, art, drama, dance, foreign language, interdisciplinary humanities, philosophy, and religion.
ART 111, ART 116, DAN 110, DRA 111, HUM 110, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 220, MUS 110, MUS 113, PHI 210, PHI 240, REL 110, REL 211, REL 212, REL 221, SPA 111, SPA 112.

Literature Elective (3 SHC) **Students must take a literature course.** ENG 131, ENG 231, ENG 232, ENG 241, ENG 242

Social/Behaviorial Science Electives (9 SHC) Select **three** courses from at least **two** of the following discipline areas: anthropology, economics, geography, history, political science, psychology, and sociology. ANT 221, ECO 151, GEO 111, GEO 112, GEO 130, POL 110, POL 120, POL 210, PSY 150, PSY 237, PSY 239, PSY 241, PSY 281, SOC 210, SOC 213, SOC 220, SOC 225

History Elective (3 SHC) Students must take a history course. HIS 111, HIS 112, HIS 121, HIS 122, HIS 131, HIS 132

Natural Science (8 SHC) Select two courses, including accompanying laboratory work, from among the biological and physical science disciplines: AST 111, AST 111A, BIO 111, BIO 112, CHM 151, CHM 152, GEL 111, PHY 151, PHY 152

SUMMARY:

Required: ACC 120, ACC 121, CIS 110, COM 110, ECO 251, ECO 252, ENG 111, MAT 263, and ENG 112 or ENG 113 or ENG 114

TOTAL	30 SHC
Humanities/Fine Arts	6 SHC
Mathematics	3 SHC
Natural Science	8 SHC
History	3 SHC
Literature	3 SHC
Social Behavioral Science	9 SHC
Statistics	3 SHC
Total	65 SHC

Evening Program: See advisor for assistance.

Associate in Arts - Pre-Criminal Justice (A1010D)

Curriculum Description:

The College Transfer Program is designed for the students who plan to transfer to four-year institutions to continue their formal education for Baccalaureate Degrees. The program of study includes a general education core of 44 semester hours credit distributed as follows:

English Composition (6)
Humanities/Fine Arts (12)
Social/Behavioral Sciences (12)
Natural Sciences/Mathematics (14)

Students who complete this core may be eligible to transfer to any of the state public four-year institutions and satisfy the general education requirements there. Students who complete the additional required hours (20-21) for the degree may be eligible to transfer and enter with junior class standing.

Students who are planning to transfer to a private college or out-of-state institution should consult with that institution for academic course selection guidance.

The students' faculty advisors should be consulted for a listing of the courses that will satisfy the degree requirements for transfer purposes.

ASSOCIATE IN ARTS PRE-CRIMINAL JUSTICE DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
CIS 110	Intro. to Computers	2	2	0	3	4
CJC 111	Intro. to Criminal Justice	3	0	0	3	3
ENG 111	Expository Writing	3	0	0	3	3
PSY 150	General Psychology	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
					16	17
Spring Semester						
CJC 141	Corrections	3	0	0	3	3
ENG 114	Professional Res. and Reporting	3	0	0	3	3
MAT 151	Statistics I	3	0	0	3	3
MAT 151A	Statistics I Lab	0	2	0	1	2
SOC 210	Intro. to Sociology	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
					16	17

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
CJC 121	Law Enforcement Operations	3	0	0	3	3
BIO 111	General Biology I	3	3	0	4	6
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
POL 120	American Government	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
					17	20
Spring Semester						
BIO 112	General Biology II	3	3	0	4	6
COM 110	Intro. to Communications	3	0	0	3	3
	History Elective	3	0	0	3	3
	Literature Elective	3	0	0	3	3
	Electives	3	0	0	3	3
					16	18
TOTAL HOURS:					**65**	**72**

Humanities/Fine Arts Elective (9 SHC) Select **three** courses from at least **two** of the following discipline areas: music, art, drama, dance, foreign language, interdisciplinary humanities, philosophy, and religion. ART 111, ART 116, DAN 110, DRA 111, HUM 110, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 220, MUS 110, MUS 113, PHI 210, PHI 240, REL 110, REL 211, REL 212, REL 221, SPA 111, SPA 112.

Literature Elective (3 SHC) Students must take at least one literature course. ENG 131, ENG 231, ENG 232, ENG 241, ENG 242,

History Elective (3 SHC) Students must take at least one history course.
HIS 121, HIS 122, HIS 131, HIS 132

Natural Science Elective (8 SHC)
Natural Science (8 SHC) Select two courses, including accompanying laboratory work, from among the biological and physical science disciplines: AST 111, AST 111A, BIO 111, BIO 112, CHM 151, CHM 152, GEL 111, PHY 151, PHY 152.

Other Required Hours (3 SHC)
Select three (3) semester hours credit from the following:

Electives: CJC 112, CJC 113, CJC 131, CJC 132, CJC 212, CJC 213, CJC 214, CJC 221, CJC 222, CJC 231, CJC 233

Evening Program: See advisor for assistance.

SUMMARY:

Required:	ACA 111, CIS 110, CJC 111, CJC 121, CJC 141, COM 110, ENG 111, ENG 114, POL 120, PSY 150, SOC 210	
	TOTAL	31 SHC
	Humanities/Fine Arts	9 SHC
	Mathematics	8 SHC
	Natural Science	8 SHC
	History	3 SHC
	Literature	3 SHC
	Electives	3 SHC
	Total	**65 SHC**

Associate in Arts - Pre-Elementary Education (A1010P)

Curriculum Description:

The College Transfer Program is designed for the students who plan to transfer to four-year institutions to continue their formal education for Baccalaureate Degrees. The program of study includes a general education core of 44 semester hours credit distributed as follows:

English Composition (6)
Humanities/Fine Arts (12)
Social/Behavioral Sciences (12)
Natural Sciences/Mathematics (14)

Students who complete this core may be eligible to transfer to any of the state public four-year institutions and satisfy the general education requirements there. Students who complete the additional required hours (20-21) for the degree may be eligible to transfer and enter with junior class standing.

Students who are planning to transfer to a private college or out-of-state institution should consult with that institution for academic course selection guidance.

The students' faculty advisors should be consulted for a listing of the courses that will satisfy the degree requirements for transfer purposes.

ASSOCIATE IN ARTS - PRE-ELEMENTARY EDUCATION DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
CIS 110	Introduction to Computers	2	2	0	3	4
ENG 111	Expository Writing	3	0	0	3	3
HIS 131	American History I	3	0	0	3	3
PSY 150	General Psychology	3	0	0	3	3
	Select one of the following:					
ART 111	Art Appreciation	3	0	0	3	3
MUS 110	Music Appreciation	3	0	0	3	3
					16	17
Spring Semester						
COM 231	Public Speaking	3	0	0	3	3
ENG 113	Literary-Based Research	3	0	0	3	3
HIS 132	American History II	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
					15	15

Summer Semester		Class	Lab	Clin.	Credit	Hrs/Wk
	2 Other Required Electives	6	0	0	6	6
Fall Semester						
PHY 151	College Physics I	3	2	0	4	5
	Literature Elective	3	0	0	3	3
	Select one of the following:					
MAT 140	Survey of Mathematics ***AND***	3	0	0	3	3
MAT 140A	Survey of Mathematics Lab ***OR***	0	2	0	1	2
MAT 161	College Algebra ***AND***	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
	Select one of the following:					
HIS 121	Western Civilization I	3	0	0	3	3
HIS 122	Western Civilization II	3	0	0	3	3
					14	16
Spring Semester						
BIO 111	General Biology I	3	3	0	4	6
	Social/Behavioral Sc. Elective	3	0	0	3	3
	3 Other Required Electives	7	0	0	7	7
					14	16
TOTAL HOURS					**65**	**70**

ASSOCIATE IN ARTS - PRE-ELEMENTARY EDUCATION EVENING PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ACA 111	College Student Success	1	0	0	1	1
CIS 110	Introduction to Computers	2	2	0	3	4
ENG 111	Expository Writing	3	0	0	3	3
					7	8
Spring Semester						
ENG 113	Literary-Based Research	3	0	0	3	3
PSY 150	General Psychology	3	0	0	3	3
	Select one of the following:					
ART 111	Art Appreciation	3	0	0	3	3
MUS 110	Music Appreciation	3	0	0	3	3
					9	9
Fall Semester						
BIO 111	Biology I	3	3	0	4	6
HIS 131	American History I	3	0	0	3	3
	Literature Elective	3	0	0	3	3
					10	12

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
HIS 132	American History II	3	0	0	3	3
SOC 210	Introduction to Sociology	3	0	0	3	3
	Humanities/Fine Arts Elective	3	0	0	3	3
					9	9
Fall Semester						
COM 231	Public Speaking	3	0	0	3	3
PHY 151	College Physics I	3	2	0	4	5
	Select one of the following:					
HIS 121	Western Civilization I	3	0	0	3	3
HIS 122	Western Civilization II	3	0	0	3	3
					10	11
Spring Semester						
	3 Other Required Electives	7	0	0	7	7
Fall Semester						
	Other Required Elective	3	0	0	3	3
	Select one of the following:					
MAT 140	Survey of Mathematics ***AND***	3	0	0	3	3
MAT 140A	Survey of Math. Lab ***OR***	0	2	0	1	2
MAT 161	College Algebra ***AND***	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					7	8
Spring Semester						
	Social/Behavioral Sc. Elective	3	0	0	3	3
	Other Required Elective	3	0	0	3	3
					6	6
TOTAL HOURS					**65**	**70**

English Elective (3 SHC) ENG 112, ENG 113

Art/Music Elective (3 SHC) ART 111, MUS 110

Literature Elective (3 SHC) ENG 131, ENG 231, ENG 232

Humanities Elective (3 SHC) ART 116, DAN 110, DRA 111, HUM 110, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 220, MUS 113, PHI 210, PHI 240, REL 110, REL 211, REL 212, REL 221, SPA 111, SPA 112.

Sociology Elective (3 SHC) SOC 210, SOC 225

History Elective (3 SHC) HIS 111, HIS 112, HIS 121, HIS 122

Social/Behavioral Elective (3 SHC) ANT 221, ECO 151, ECO 251, ECO 252, GEO 111, GEO 112, GEO 130, POL 110, POL 120, POL 210, PSY 237, PSY 239, PSY 241, PSY 281, SOC 213, SOC 220

Natural Science/Math/Biology Elective (4 SHC) BIO 110, BIO 111

Natural Science/Math/Chemistry/Physics Elective (4 SHC) CHM 151, PHY 151

Natural Science/Math/Mathematics Elective (3 SHC) MAT 140, MAT 161

Other Required Hours (14 SHC)

ART 117, ART 121, ART 131, ART 132, ART 240, ART 241, ART 260, ART 261, BIO 112, BIO 120, BIO 140, B10 140A, BIO 165, BIO 166, BIO 175, BIO 275, CHM 152, CIS 115, COM 110, COM 120, COM 130, DRA 122, DRA 126, ENG 125, ENG 126, ENG 233, ENG 241, ENG 242, ENG 243, ENG 251, ENG 252, ENG 261, ENG 262, ENG 272, ENG 273, ENG 274, HEA 110, HEA 112, HIS 115, HIS 162, HIS 221, HUM 120, HUM 211, HUM 212, MAT 140A, MAT 151, MAT 151A, MAT 161A, MAT 162, MAT 165, MAT 171, MAT 172, MAT 175, MAT 175A, MAT 263, MAT 271, MAT 272, MAT 273, MUS 112, PED 110, PED 111, PED 113, PED 114, PED 119, PED 120, PED 122, PED 125, PED 126, PED 142, PED 152, PED 153, PED 155, PED 173, PED 177, PED 181, PED 182, PED 211, PHI 215, PHY 152, PHY 251, PHY 252, REL 111, REL 112, SOC 230, SPA 141, SPA 211, SPA 212

Associate in General Education - Business Administration Concentration: Marketing and Retailing (A10300M)

Articulation Agreement with
Asheville-Buncombe Technical Community College
Asheville, North Carolina

Curriculum Description:

The Associate in General Education curriculum is designed for the academic enrichment of students who wish to broaden their education, with emphasis on personal interest, growth and development.

Course work includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. Opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers will be provided.

Through these skills, students will have a sound base for lifelong learning. Graduates are prepared for advancements within their fields of interest and become better qualified for a wide range of employment opportunities.

ASSOCIATE IN GENERAL EDUCATION - BUSINESS ADMINISTRATION CONCENTRATION: MARKETING AND RETAILING DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
(To be completed at MCC)						
ACC 120	Principles of Accounting I	3	2	0	4	5
BUS 240	Business Ethics	3	0	0	3	3
CIS 110	Introduction to Computers	2	2	0	3	4
ENG 111	Expository Writing	3	0	0	3	3
MKT 120	Principles of Marketing	3	0	0	3	3
					16	18

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
(To be completed at MCC)						
*ACC 121	Principles of Accounting II	3	2	0	4	5
BUS 137	Principles of Management	3	0	0	3	3
ENG 114	Prof. Research & Report.	3	0	0	3	3
MAT 161	College Algebra *AND*	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
OST 136	Word Processing	1	2	0	2	3
					16	19
Summer Semester						
(To be completed at A-B Tech)						
BUS 115	Business Law I	3	0	0	3	3
ECO 251	Principles of Microeconomics	3	0	0	3	3
MKT 122	Visual Merchandising	3	0	0	3	3
MKT 221	Consumer Behavior	3	0	0	3	3
					12	12
Fall Semester						
(To be completed at A-B Tech)						
BUS 110	Introduction to Business	3	0	0	3	3
BUS 135	Principles of Supervision	3	0	0	3	3
ECO 252	Principles of Macroeconomics	3	0	0	3	3
MKT 121	Retailing	3	0	0	3	3
MKT 123	Fundamentals of Selling	3	0	0	3	3
MKT 224	International Marketing	3	0	0	3	3
					18	18
Spring Semester						
(To be completed at A-B Tech)						
COM 231	Public Speaking	3	0	0	3	3
MKT 220	Advertising & Sales Promo.	3	0	0	3	3
MKT 225	Marketing Research	3	0	0	3	3
MKT 227	Marketing Applications	3	0	0	3	3
**	Humanities Elective	3	0	0	3	3
					15	15
TOTAL HOURS:					**77**	**82**

**ACC 121 will count as one of the related elective courses at A-B Tech.*
***Refer to A-B Tech catalog for list of related electives, humanities and course descriptions.*

Associate in General Education - Business Administration Concentration: Operations Management (A103000)

Articulation Agreement with
Asheville-Buncombe Technical Community College
Asheville, North Carolina

Curriculum Description:

The Associate in General Education curriculum is designed for the academic enrichment of students who wish to broaden their education, with emphasis on personal interest, growth and development.

Course work includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. Opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers will be provided.

Through these skills, students will have a sound base for lifelong learning. Graduates are prepared for advancements within their fields of interest and become better qualified for a wide range of employment opportunities.

ASSOCIATE IN GENERAL EDUCATION -
BUSINESS ADMINISTRATION CONCENTRATION:
OPERATIONS MANAGEMENT
DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
(To be completed at MCC)						
ACC 120	Principles of Accounting I	3	2	0	4	5
BUS 115	Business Law I	3	0	0	3	3
CIS 110	Introduction to Computers	2	2	0	3	4
ENG 111	Expository Writing	3	0	0	3	3
OST 136	Word Processing	1	2	0	2	3
					15	18

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
(To be completed at MCC)						
*ACC 121	Principles of Accounting II	3	2	0	4	5
BUS 137	Principles of Management	3	0	0	3	3
ENG 114	Professional Research & Report.	3	0	0	3	3
MAT 161	College Algebra	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
MKT 120	Principles of Marketing	3	0	0	3	3
					17	19
Summer Semester						
(To be completed at A-B Tech)						
COM 231	Public Speaking	3	0	0	3	3
ISC 121	Environmental Health & Safety	3	0	0	3	3
ISC 131	Quality Management	3	0	0	3	3
**	Related Elective	6	0	0	6	6
					15	15
Fall Semester						
(To be completed at A-B Tech)						
ECO 251	Principles of Microeconomics	3	0	0	3	3
ISC 210	Operations & Prod. Planning	3	0	0	3	3
ISC 221	Statistical Quality Control	3	0	0	3	3
**	Related Electives	6	0	0	6	6
					15	15
Spring Semester						
(To be completed at A-B Tech)						
ECO 252	Principles of Macroeconomics	3	0	0	3	3
ISC 225	Facility Layout	3	2	0	4	5
OMT 112	Materials Management	3	0	0	3	3
OMT 260	Issues in Operations Mgt.	3	0	0	3	3
**	Humanities Electives	3	0	0	3	3
					16	17
TOTAL HOURS:					**77**	**84**

ACC 121 will count as one of the related elective courses at A-B Tech.
****Refer to A-B Tech catalog for list of related electives, humanities and course descriptions.***

Associate in General Education - Forest Management Technology (A10300F)

Articulation Agreement with
Haywood Community College
Clyde, North Carolina

Curriculum Description:

The Associate in General Education curriculum is designed for the academic enrichment of students who wish to broaden their education, with emphasis on personal interest, growth and development.

Course work includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. Opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers will be provided.

Through these skills, students will have a sound base for lifelong learning. Graduates are prepared for advancements within their fields of interest and become better qualified for a wide range of employment opportunities.

ASSOCIATE IN GENERAL EDUCATION - FOREST MANAGEMENT TECHNOLOGY DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
(To be completed at MCC)						
CIS 111	Basic PC Literacy	1	2	0	2	3
ENG 111	Expository Writing	3	0	0	3	3
**	Humanities/Fine Arts Elective	3	0	0	3	3
BIO 111	General Biology I	3	3	0	4	6
	Select one of the following:					
MAT 115	Mathematical Models *OR*	2	2	0	3	4
MAT 140	Survey of Mathematics *AND*	3	0	0	3	3
MAT 140A	Survey of Mathematics Lab	0	2	0	1	2
					15-16	19-20

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
(To be completed at MCC)						
*FOR 121	Dendrology	2	6	0	4	8
MAT 161	College Algebra *AND*	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
BIO 120	Introductory Botany	3	3	0	4	6
**	Social/Behavioral Sci. Elec.	3	0	0	3	3
	Select one of the following:					
ENG 114	Professional Research/Report.	3	0	0	3	3
COM 110	Intro. to Communication	3	0	0	3	3
					18	25
Summer Semester						
(To be completed at Haywood)						
FOR 173	Soils & Hydrology	2	3	0	3	5
FOR 232	Forest Mensuration	2	6	0	4	8
FOR 234	Forest Surveying	2	6	0	4	8
					11	21
Fall Semester						
(To be completed at Haywood)						
FOR 215	Introduction to GIS/GPS	1	4	0	3	5
FOR 225	Silvics & Silviculture	3	3	0	4	6
FOR 240	Forest Protection	2	3	0	3	5
FOR 171	Intro. to Forest Resources	3	0	0	3	3
FOR 296	Environmental Chemicals	0	3	0	1	3
					14	22
Spring Semester						
(To be completed at Haywood)						
FOR 211	Aerial Photo Interpretation	2	3	0	3	5
FOR 271	Forest Managment	2	3	0	3	5
FOR 282	Forest Recreation	2	3	0	3	5
WPP 220	Forest Production Marketing	1	3	0	2	4
FOR 131	Forest Measurements	2	3	0	3	5
FWL 142	Wildlife Management	2	3	0	3	5
WPP 230	Forest Equip. Operations	1	3	0	2	4
					19	33

TOTAL HOURS: **77-78 120-121**

**FOR 121 Dendrology is a telecourse that must be taken through Haywood Community College.*

***Refer to Haywood catalog for list of related electives, humanities and course descriptions.*

Associate in General Education - Physical Therapy Assistant (A10300P)

Memorandum of Understanding with
Caldwell Community College and Technical Institute
Hudson, North Carolina

Curriculum Description:

The Associate in General Education curriculum is designed for the academic enrichment of students who wish to broaden their education, with emphasis on personal interest, growth and development.

Course work includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. Opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers will be provided.

Through these skills, students will have a sound base for lifelong learning. Graduates are prepared for advancements within their fields of interest and become better qualified for a wide range of employment opportunities.

Students must meet the admission criteria of the Physical Therapy Assistant program at Caldwell Community College and Technical Institute prior to enrollment at CCC&TI.

ASSOCIATE IN GENERAL EDUCATION - PHYSICAL THERAPY ASSISTANT DAY PROGRAM

Summer Semester		Class	Lab	Clin.	Credit	Hrs/Wk
(To be completed at MCC)						
ACA 111	College Student Success	1	0	0	1	1
BIO 111	General Biology I	3	3	0	4	6
MAT 161	College Algebra *AND*	3	0	0	3	3
MAT 161A	College Algebra Lab	0	2	0	1	2
					9	12
Fall Semester						
(To be completed at MCC)						
BIO 165	Anatomy & Physiology I	3	3	0	4	6
CIS 111	Basic PC Literacy	1	2	0	2	3
ENG 111	Expository Writing	3	0	0	3	3
PHY 151	College Physics I	3	2	0	4	5
PSY 150	General Psychology	3	0	0	3	3
					16	20

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
(To be completed at MCC)						
BIO 166	Anatomy & Physiology II	3	3	0	4	6
COM 120	Interpersonal Communication	3	0	0	3	3
ENG 113	Literature-Based Research	3	0	0	3	3
PSY 241	Developmental Psychology	3	0	0	3	3
**	Humanities Elective	3	0	0	3	3
					16	18
Spring Semester						
(To be completed at CCC&TI)						
PTA 110	Intro. to Phys. Therapy	2	3	0	3	5
PTA 125	Gross and Funct. Anatomy	3	6	0	5	9
PTA 135	Pathology	4	0	0	4	4
					12	18
Summer Semester						
(To be completed at CCC&TI)						
PTA 145	Therapeutic Procedures	2	6	0	4	8
PTA 212	Health Care/Resources	2	0	0	2	2
PTA 222	Professional Interaction	2	0	0	2	2
					8	12
Fall Semester						
(To be completed at CCC&TI)						
PTA 165	PTA Clinical I	0	0	9	3	9
PTA 185	PTA Clinical II	0	0	9	3	9
PTA 215	Therapeutic Exercise	2	3	0	3	5
PTA 225	Introduction to Rehabilitation	3	3	0	4	6
					13	29
Spring Semester						
(To be completed at CCC&TI)						
PTA 235	Neurological Rehabilitation	3	6	0	5	9
PTA 245	PTA Clinical III	0	0	12	4	12
PTA 255	PTA Clinical IV	0	0	12	4	12
					13	33
TOTAL HOURS:					**87**	**142**

*** Refer to the Caldwell Community College and Technical Institute Catalog for a list of humanities electives and course descriptions.*

Associate in Science (A10400)

Curriculum Description:

The College Transfer Program is designed for the students who plan to transfer to four-year institutions to continue their formal education for Baccalaureate Degrees. The program of study includes a general education core of 44 semester hours credit distributed as follows:

English Composition (6)
Humanities/Fine Arts (12)
Social/Behavioral Sciences (12)
Natural Sciences/Mathematics (14)

Students who complete this core may be eligible to transfer to any of the state public four-year institutions and satisfy the general education requirements there. Students who complete the additional required hours (20-21) for the degree may be eligible to transfer and enter with junior class standing.

Students who are planning to transfer to a private college or out-of-state institution should consult with that institution for academic course selection guidance.

The students' faculty advisors should be consulted for a listing of the courses that will satisfy the degree requirements for transfer purposes.

ASSOCIATE IN SCIENCE
DAY PROGRAM

Fall Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ENG 111	Expository Writing	3	0	0	3	3
COM 110	Intro. to Communication	3	0	0	3	3
CIS 110	Introduction to Computers	2	2	0	3	4
ACA 111	College Student Success	1	0	0	1	1
	Select one of the following:					
MAT 171	Precalculus Algebra	3	0	0	3	3
MAT 175	Precalculus ***AND***	4	0	0	4	4
MAT 175A	Precalculus Lab	0	2	0	1	2
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
					16-18	17-19

Spring Semester		Class	Lab	Clin.	Credit	Hrs/Wk
ENG 113	Literature Based Research	3	0	0	3	3
	Humanities/Fine Arts Elective	6	0	0	6	6
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Select one of the following:					
MAT 151	Statistics I ***AND***	3	0	0	3	3
MAT 151A	Statistics I Lab ***OR***	0	2	0	1	2
MAT 172	Precalculus Trigonometry	3	0	0	3	3
MAT 271	Calculus I	3	2	0	4	5
					15-16	15-17
Fall Semester						
	Natural Science Elective	3	2-3	0	4	5-6
	Humanities/Fine Arts Elective	3	0	0	3	3
	OR					
	Literature Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Other Required Electives	5-6	0	0	7-8	7-8
					17-18	17-18
Spring Semester						
	Natural Science Elective	3	2-3	0	4	5-6
	Humanities/Fine Arts Elective	3	0	0	3	3
	OR					
	Literature Elective	3	0	0	3	3
	Social/Behavioral Sc. Elective	3	0	0	3	3
	OR					
	History Elective	3	0	0	3	3
	Other Required Electives	5-6	5-6	0	7-8	10-12
					17-18	21-24
TOTAL HOURS:					**65**	**70-76**

History Electives (3 SHC)
Students must take at least one history course. HIS 111, HIS 112, HIS 121, HIS 122, HIS 131, HIS 132

Humanities/Fine Arts Electives (9 SHC) Select **three** courses from at least **two** of the following discipline areas: art, drama, dance, foreign languages, interdisciplinary humanities, music, philosophy, and religion. ART 111, ART 116, DAN 110, DRA 111, HUM 110, HUM 121, HUM 122, HUM 130, HUM 150, HUM 160, HUM 220, MUS 110, MUS 113, PHI 210, PHI 240, REL 110, REL 211, REL 212, REL 221, SPA 111, SPA 112

Literature Electives (3 SHC)
Students must take at least one literature course. ENG 131, ENG 231, ENG 232, ENG 241, ENG 242

Natural Science Electives (8 SHC)
Select two courses, including accompanying laboratory work, from among the biological and physical science disciplines: AST 111, AST 111A, BIO 111, BIO 112, CHM 151, CHM 152, GEL 111, PHY 151, PHY 152

Social/Behaviorial Science Electives (9 SHC) Select **three** courses from at least **two** of the following discipline areas: anthropology, economics, geography, history, political science, psychology, and sociology. ANT 221, ECO 151, ECO 251, ECO 252, GEO 111, GEO 112, GEO 130, POL 110, POL 120, POL 210, PSY 150, PSY 237, PSY 239, PSY 241, PSY 281, SOC 210, SOC 213, SOC 220, SOC 225

Other Required Hours Electives (14 SHC)
Select fourteen (14) semester hours credit from core classes not selected in the Natural Sciences area above and from the following: BIO 165, BIO 166, CIS 115, MAT 151A, MAT 175A, MAT 272, MAT 273, PHY 251, PHY 252

SUMMARY:

Required:	ACA 111, CIS 110, COM 110, ENG 111, ENG 113	
	TOTAL	13 SHC
	Humanities	9 SHC
	Mathematics	6 SHC
	Natural Science	8 SHC
	History	3 SHC
	Literature	3 SHC
	Social Behavioral Science	9 SHC
	Other Required Hours	14 SHC
	Total	**65 SHC**

COURSE DESCRIPTIONS

The photos separating our catalog sections were taken by members of the *ART 260 - Photography Appreciation* class of Spring, 2001 at Mayland.

TOP AND BOTTOM PHOTOS by Alicia McMahan

COURSE DESCRIPTIONS

A **prerequisite course** must have been taken and passed before the course named. A **corequisite course** must be taken with the course named if it has not been previously taken and passed. Permission of the instructor may override prerequisites and/or corequisites.

		Class	Lab	Clin.	Credit
ACA 111	**College Student Success**	1	0	0	1

Prerequisite:
Corequisite:
This course introduces the college's physical, academic, and social environment and promotes the personal development essential for success. Topics include campus facilities and resources; policies, procedures, and programs; study skills; and life management issues such as health, self-esteem, motivation, goal-setting, diversity, and communication. Upon completion, students should be able to function effectively within the college environment to meet their educational objectives.

ACC 115	**College Accounting**	3	2	0	4

Prerequisite:
Corequisite:
This course introduces basic accounting principles for a sole proprietorship. Topics include the complete accounting cycle with end-of-period statements, bank reconciliation, payrolls, and petty cash. Upon completion, students should be able to demonstrate an understanding of accounting principles and apply those skills to a business organization.

ACC 120	**Principles of Accounting I**	3	2	0	4

Prerequisite:
Corequisite:
This course introduces the basic principles and procedures of accounting. Emphasis is placed on collecting, summarizing, analyzing, and reporting financial information. Upon completion, students should be able to analyze data and prepare journal entries and reports as they relate to the accounting cycle. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

ACC 121	**Principles of Accounting II**	3	2	0	4

Prerequisite: ACC 120
Corequisite:
This course is a continuation of ACC 120. Emphasis is placed on corporate and managerial accounting for both external and internal reporting and decision making. Upon completion, students should be able to analyze and record corporate transactions, prepare financial statements and reports, and interpret them for management. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

ACC 131	**Federal Income Taxes**	2	2	0	3

Prerequisite:
Corequisite:
This course provides an overview of federal income taxes for individuals, partnerships, and corporations. Emphasis is placed on the application of the Internal Revenue Code to preparation of tax returns for individuals, partnerships, and corporations. Upon completion, students should be able to complete federal tax returns for individuals, partnerships, and corporations.

		Class	Lab	Clin.	Credit
ACC 140	**Payroll Accounting**	**1**	**2**	**0**	**2**

Prerequisite: ACC 115 or ACC 120
Corequisite:
This course covers federal and state laws pertaining to wages, payroll taxes, payroll tax forms, and journal and general ledger transactions. Emphasis is placed on computing wages; calculating social security, income, and unemployment taxes; preparing appropriate payroll tax forms; and journalizing/posting transactions. Upon completion, students should be able to analyze data, make appropriate computations, complete forms, and prepare accounting entries.

ACC 220	**Intermediate Accounting I**	**3**	**2**	**0**	**4**

Prerequisite: ACC 121
Corequisite:
This course is a continuation of the study of accounting principles with in-depth coverage of theoretical concepts and financial statements. Topics include generally accepted accounting principles and statements and extensive analyses of balance sheet components. Upon completion, students should be able to demonstrate competence in the conceptual framework underlying financial accounting, including the application of financial standards.

ACC 221	**Intermediate Accounting II**	**3**	**2**	**0**	**4**

Prerequisite: ACC 220
Corequisite:
This course is a continuation of ACC 220. Emphasis is placed on special problems which may include leases, bonds, investments, ratio analyses, present value applications, accounting changes, and corrections. Upon completion, students should be able to demonstrate an understanding of the principles involved and display an analytical problem-solving ability for the topics covered.

ACC 225	**Cost Accounting**	**3**	**0**	**0**	**3**

Prerequisite: ACC 121
Corequisite:
This course introduces the nature and purposes of cost accounting as an information system for planning and control. Topics include direct materials, direct labor, factory overhead, process, job order, and standard cost systems. Upon completion, students should be able to demonstrate an understanding of the principles involved and display an analytical problem-solving ability for the topics covered.

ACC 293	**Selected Topics in Accounting**	**2**	**2**	**0**	**3**

Prerequisite: ACC 121
Corequisite:
This course provides an opportunity to explore areas of current interest in specific program or discipline areas. Emphasis is placed on subject matter appropriate to the program or discipline. Upon completion, students should be able to demonstrate an understanding of the specific area of study. Refer to syllabus for specifics of the course.

ANT 221	**Comparative Cultures**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course provides an ethnographic survey of societies around the world covering their distinctive cultural characteristics and how these relate to cultural change. Emphasis is placed on the similarities and differences in social institutions such as family, economics, politics, education, and religion. Upon completion, students should be able to demonstrate knowledge of a variety of cultural adaptive strategies. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

		Class	Lab	Clin.	Credit
ART 111	**Art Appreciation**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces the origins and historical development of art. Emphasis is placed on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods, and media. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ART 116	**Survey of American Art**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers the development of American art forms from colonial times to the present. Emphasis is placed on architecture, painting, sculpture, graphics, and the decorative arts. Upon completion, students should be able to demonstrate understanding of the history of the American creative experience. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ART 117	**Non-Western Art History**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces non-Western cultural perspectives. Emphasis is placed on, but not limited to, African, Oriental, and Oceanic art forms throughout history. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of non-Western social and cultural development. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ART 121	**Design I**	**0**	**6**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces the elements and principles of design as applied to two-dimensional art. Emphasis is placed on the structural elements, the principles of visual organization, and the theories of color mixing and interaction. Upon completion, students should be able to understand and use critical and analytical approaches as they apply to two-dimensional visual art. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

ART 131	**Drawing I**	**0**	**6**	**0**	**3**

PrePrerequisite:
Corequisite:
This course introduces the language of drawing and the use of various drawing materials. Emphasis is placed on drawing techniques, media, and graphic principles. Upon completion, students should be able to demonstrate competence in the use of graphic form and various drawing processes. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

ART 132	**Drawing II**	**0**	**6**	**0**	**3**

Prerequisite: ART 131
Corequisite:
This course continues instruction in the language of drawing and the use of various materials. Emphasis is placed on experimentation in the use of drawing techniques, media, and graphic materials. Upon completion, students should be able to demonstrate increased competence in the expressive use of graphic form and techniques. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
ART 240	**Painting I**	**0**	**6**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces the language of painting and the use of various painting materials. Emphasis is placed on the understanding and use of various painting techniques, media, and color principles. Upon completion, students should be able to demonstrate competence in the use of creative processes directed toward the development of expressive form. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

ART 241	**Painting II**	**0**	**6**	**0**	**3**

Prerequisite: ART 240
Corequisite:
This course provides a continuing investigation of the materials, processes, and techniques of painting. Emphasis is placed on the exploration of expressive content using a variety of creative processes. Upon completion, students should be able to demonstrate
competence in the expanded use of form and variety. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

ART 260	**Photography Appreciation**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces the origins and historical development of photography. Emphasis is placed on the study of composition and history of photography as an art form. Upon completion, students should be able to recognize and produce, using color transparencies, properly exposed, well-composed photographs. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

ART 261	**Photography I**	**0**	**6**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces photographic equipment, theory, and processes. Emphasis is placed on camera operation, composition, darkroom technique, and creative expression. Upon completion, students should be able to successfully expose, develop, and print a well-conceived composition. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

AST 111	**Descriptive Astronomy**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite: AST 111A
This course introduces an overall view of modern astronomy. Topics include an overview of the solar system, the sun, stars, galaxies, and the larger universe. Upon completion, students should be able to demonstrate an understanding of the universe around them. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

AST 111A	**Descriptive Astronomy Lab**	**0**	**2**	**0**	**1**

Prerequisite:
Corequisite: AST 111
The course is a laboratory to accompany AST 111. Emphasis is placed on laboratory experiences which enhance the materials presented in AST 111 and which provide practical experience. Upon completion, students should be able to demonstrate an understanding of the universe around them. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

		Class	Lab	Clin.	Credit
AUB 111	**Painting & Refinishing I**	2	6	0	4

Prerequisite:
Corequisite:
This course introduces the proper procedures for using automotive refinishing equipment and materials in surface preparation and application. Topics include federal, state, and local regulations, personal safety, refinishing equipment and materials, surface preparation, masking, application techniques, and other related topics. Upon completion, students should be able to identify and use proper equipment and materials in refinishing following accepted industry standards.

AUB 112	**Painting & Refinishing II**	2	6	0	4

Prerequisite: AUB 111
Corequisite:
This course covers advanced painting techniques and technologies with an emphasis on identifying problems encountered by the refinishing technician. Topics include materials application, color matching, correction of refinishing problems, and other related topics. Upon completion, students should be able to perform spot, panel, and overall refinishing repairs and identify and correct refinish problems.

AUB 114	**Special Finishes**	1	2	0	2

Prerequisite: AUB 111
Corequisite:
This course introduces multistage finishes, custom painting, and protective coatings. Topics include base coats, advanced intermediate coats, clear coats, and other related topics. Upon completion, students should be able to identify and apply specialized finishes based on accepted industry standards.

AUB 121	**Non-Structural Damage I**	1	4	0	3

Prerequisite:
Corequisite:
This course introduces safety, tools, and the basic fundamentals of body repair. Topics include shop safety, damage analysis, tools and equipment, repair techniques, materials selection, materials usage, and other related topics. Upon completion, students should be able to identify and repair minor direct and indirect damage including removal/repairing/ replacing of body panels to accepted standards.

AUB 122	**Non-Structural Damage II**	2	6	0	4

Prerequisite: AUB 121
Corequisite:
This course covers safety, tools, and advanced body repair . Topics include shop safety, damage analysis, tools and equipment, advanced repair techniques, materials selection, materials usage, movable glass, and other related topics. Upon completion, students should be able to identify and repair or replace direct and indirect damage to accepted standards including movable glass and hardware.

AUB 131	**Structural Damage I**	2	4	0	4

Prerequisite:
Corequisite:
This course introduces safety, equipment, structural damage analysis, and damage repairs. Topics include shop safety, design and construction, structural analysis and measurement, equipment, structural glass, repair techniques, and other related topics. Upon completion, students should be able to analyze and perform repairs to a vehicle which has received light/moderate structural damage.

		Class	Lab	Clin.	Credit
AUB 132	**Structural Damage II**	**2**	**6**	**0**	**4**

Prerequisite: AUB 131
Corequisite:
This course provides an in-depth study of structural damage analysis and repairs to vehicles that have received moderate to heavy structural damage. Topics include shop safety, structural analysis and measurement, equipment, structural glass, advanced repair techniques, structural component replacement and alignment, and other related topics. Upon completion, students should be able to analyze and perform repairs according to industry standards.

AUB 134	**Autobody MIG Welding**	**1**	**4**	**0**	**3**

Prerequisite:
Corequisite:
This course covers the terms and procedures for welding the various metals found in today's autobody repair industry with an emphasis on personal/environmental safety. Topics include safety and precautionary measures, setup/operation of MIG equipment, metal identification methods, types of welds/joints, techniques, inspection methods, and other related topics. Upon completion, students should be able to demonstrate a basic knowledge of welding operations and safety procedures according to industry standards.

AUB 136	**Plastics & Adhesives**	**1**	**4**	**0**	**3**

Prerequisite:
Corequisite:
This course covers safety, plastic and adhesive identification, and the various repair methods of automotive plastic components. Topics include safety, identification, preparation, material selection, and the various repair procedures including refinishing. Upon completion, students should be able to identify, remove, repair, and/or replace automotive plastic components in accordance with industry standards.

AUB 144	**Mechanical & Electrical Spec.**	**2**	**2**	**0**	**3**

Prerequisite:
Corequisite:
This course concentrates on special automotive mechanical and electrical system operations and diagnostics. Topics include personal and environmental safety, suspension and steering, electrical, restraint, and air-conditioning systems. Upon completion, students should be able to identify system components and perform basic system diagnostic checks and/or repairs according to industry standards.

AUB 150	**Automotive Detailing**	**1**	**3**	**0**	**2**

Prerequisite:
Corequisite:
This course covers the methods and procedures used in automotive detailing facilities. Topics include safety, engine, interior and trunk compartment detailing, buffing/polishing exterior surfaces, and cleaning and reconditioning exterior trim, fabrics, and surfaces. Upon completion, students should be able to improve the overall appearance of a vehicle.

AUB 160	**Body Shop Operations**	**1**	**0**	**0**	**1**

Prerequisite:
Corequisite:
This course introduces the day-to-day operations of autobody repair facilities. Topics include work habits and ethics, customer relations, equipment types, materials cost and control, policies and procedures, shop safety and liabilities, and other related topics. Upon completion, students should be able to understand the general operating policies and procedures associated with an autobody repair facility.

		Class	Lab	Clin.	Credit
AUB 162	**Autobody Estimating**	1	2	0	2

Prerequisite:
Corequisite:
This course provides a comprehensive study of autobody estimating. Topics include collision damage analysis, industry regulations, flat-rate and estimated time, and collision estimating manuals. Upon completion, students should be able to prepare and interpret a damage report.

BIO 110	**Principles of Biology**	3	3	0	4

Prerequisites RED 090
Corequisite:
This course provides a survey of fundamental biological principles for non-science majors. Emphasis is placed on basic chemistry, cell biology, metabolism, genetics, taxonomy, evolution, ecology, diversity, and other related topics. Upon completion, students should be able to demonstrate increased knowledge and better understanding of biology as it applies to everyday life. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

BIO 111	**General Biology I**	3	3	0	4

Prerequisites RED 090 and MAT 070
Corequisite:
This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, cell structure and function, metabolism and energy transformation, genetics, evolution, classification, and other related topics. Upon completion, students should be able to demonstrate understanding of life at the molecular and cellular levels. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

BIO 112	**General Biology II**	3	3	0	4

Prerequisite: BIO 111
Corequisite:
This course is a continuation of BIO 111. Emphasis is placed on organisms, biodiversity, plant and animal systems, ecology, and other related topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

BIO 120	**Introductory Botany**	3	3	0	4

Prerequisite: BIO 110 or BIO 111
Corequisite:
This course provides an introduction to the classification, relationships, structure, and function of plants. Topics include reproduction and development of seed and non-seed plants, levels of organization, form and function of systems, and a survey of major taxa. Upon completion, students should be able to demonstrate comprehension of plant form and function, including selected taxa of both seed and non-seed plants. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

BIO 140	**Environmental Biology**	3	0	0	3

Prerequisite: RED 090
Corequisite: BIO 140A
This course introduces environmental processes and the influence of human activities upon them. Topics include ecological concepts, population growth, natural resources, and a focus on current environmental problems from scientific, social, political, and economic perspectives. Upon completion, students should be able to demonstrate an understanding of environmental interrelationships and of contemporary environmental issues. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

		Class	Lab	Clin.	Credit
BIO 140A	**Environmental Biology Lab**	**0**	**3**	**0**	**1**

Prerequisite:
Corequisite: BIO 140

This course provides a laboratory component to complement BIO 140. Emphasis is placed on laboratory and field experience. Upon completion, students should be able to demonstrate a practical understanding of environmental interrelationships and of contemporary environmental issues. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

BIO 143	**Field Biology Minicourse**	**1**	**2**	**0**	**2**

Prerequisite: RED 090
Corequisite:

This course introduces the biological and physical components of a field environment. Emphasis is placed on a local field environment with extended field trips to other areas. Upon completion, students should be able to demonstrate an understanding of the biological and physical components of the specific biological environment. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

BIO 145	**Ecology**	**3**	**3**	**0**	**4**

Prerequisite: BIO 110 or BIO 111
Corequisite:

This course provides an introduction to ecological concepts using an ecosystems approach. Topics include energy flow, nutrient cycling, succession, population dynamics, community structure, and other related topics. Upon completion, students should be able to demonstrate comprehension of basic ecosystem structure and dynamics.*This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

BIO 163	**Basic Anatomy & Physiology**	**4**	**2**	**0**	**5**

Prerequisite: RED 090
Corequisite:

This course provides a basic study of the structure and function of the human body. Topics include a basic study of the body systems as well as an introduction to homeostasis, cells, tissues, nutrition, acid-base balance, and electrolytes. Upon completion, students should be able to demonstrate a basic understanding of the fundamental principles of anatomy and physiology and their interrelationships. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

BIO 165	**Anatomy and Physiology I**	**3**	**3**	**0**	**4**

Prerequisite: RED 090 & MAT 070 & BIO 111 or BIO 163 or BIO proficiency exam
Corequisite:

This course is the first of a two-course sequence which provides a comprehensive study of the anatomy and physiology of the human body. Topics include the structure, function, and interrelationship of organ systems with emphasis on the processes which maintain homeostasis. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
BIO 166	**Anatomy and Physiology II**	3	3	0	4

Prerequisite: BIO 165
Corequisite:
This course is the second in a two-course sequence which provides a comprehensive study of the anatomy and physiology of the human body. Topics include the structure, function, and interrelationship of organ systems with emphasis on the processes which maintain homeostasis. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and the interrelationships of all body systems. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

BIO 175	**General Microbiology**	2	2	0	3

Prerequisite: BIO 110 or BIO 163 or BIO 166 or BIO 169, & RED 090
Corequisite:
This course covers principles of microbiology with emphasis on microorganisms and human disease. Topics include an overview of microbiology and aspects of medical microbiology, identification and control of pathogens, disease transmission, host resistance, and immunity. Upon completion, students should be able to demonstrate knowledge of microorganisms and the disease process as well as aseptic and sterile techniques. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

BIO 224	**Local Flora Spring**	1	2	0	2

Prerequisite:
Corequisite:
This course provides an introduction to the identification of native plants. Emphasis is placed on spring wild flowers. Upon completion, students should be able to identify a variety of spring wild flowers and native plants. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

BIO 225	**Local Flora Summer**	1	2	0	2

Prerequisite:
Corequisite:
This course provides an introduction to the identification of native plants. Emphasis is placed on summer wild flowers. Upon completion, students should be able to identify a variety of summer wild flowers and native plants. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

BIO 226	**Local Flora Fall**	1	2	0	2

Prerequisite:
Corequisite:
This course provides an introduction to the identification of native plants. Emphasis is placed on fall wild flowers. Upon completion, students should be able to identify a variety of fall wild flowers and native plants. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

BIO 275	**Microbiology**	3	3	0	4

Prerequisite: BIO 110 or BIO 112 or BIO 163 or BIO 165 or BIO 168 & RED 090
Corequisite:
This course covers principles of microbiology and the impact these organisms have on man and the environment. Topics include the various groups of microorganisms, their structure, physiology, genetics, microbial pathogenicity, infectious diseases, immunology, and selected practical applications. Upon completion, students should be able to demonstrate knowledge and skills including microscopy, aseptic technique, staining, culture methods, and identification of microorganisms. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
BPR 111	**Blueprint Reading**	**1**	**2**	**0**	**2**

Prerequisite:
Corequisite:
This course introduces the basic principles of blueprint reading. Topics include line types, orthographic projections, dimensioning methods, and notes. Upon completion, students should be able to interpret basic blueprints and visualize the features of a part.

BPR 130	**Blueprint Reading/Construction**	**1**	**2**	**0**	**2**

Prerequisite:
Corequisite:
This course covers the interpretation of blueprints and specifications that are associated with the construction trades. Emphasis is placed on interpretation of details for foundations, floor plans, elevations, and schedules. Upon completion, students should be able to read and interpret a set of construction blueprints.

BUS 115	**Business Law I**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces the ethics and legal framework of business. Emphasis is placed on contracts, negotiable instruments, Uniform Commercial Code, and the working of the court systems. Upon completion, students should be able to apply ethical issues and laws covered to selected business decision-making situations. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

BUS 137	**Principles of Management**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course is designed to be an overview of the major functions of management. Emphasis is placed on planning, organizing, controlling, directing, and communicating. Upon completion, students should be able to work as contributing members of a team utilizing these functions of management.

BUS 225	**Business Finance**	**2**	**2**	**0**	**3**

Prerequisite: ACC 120
Corequisite:
This course provides an overview of business financial management. Emphasis is placed on financial statement analysis, time value of money, management of cash flow, risk and return, and sources of financing. Upon completion, students should be able to interpret and apply the principles of financial management.

BUS 228	**Business Statistics**	**2**	**2**	**0**	**3**

Prerequisite: MAT 115 or MAT 161 & MAT 161A
Corequisite:
This course introduces the use of statistical methods and tools in evaluating research data for business applications. Emphasis is placed on basic probability, measures of spread and dispersion, central tendency, sampling, regression analysis, and inductive inference. Upon completion, students should be able to apply statistical problem solving to business. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
BUS 230	**Small Business Management**	3	0	0	3

Prerequisite:
Corequisite:
This course introduces the challenges of entrepreneurship including the startup and operation of a small business. Topics include market research techniques, feasibility studies, site analysis, financing alternatives, and managerial decision making. Upon completion, students should be able to develop a small business plan.

BUS 239	**Business Applications Seminar**	1	2	0	2

Prerequisite: ACC 120, BUS 115, BUS 137, MKT 120, and either ECO 151, 251 or 252
Corequisite:
This course is designed as a capstone course for Business Administration majors. Emphasis is placed on decision making in the areas of management, marketing, production, purchasing, and finance. Upon completion, students should be able to apply the techniques, processes, and vital professional skills needed in the work place.

BUS 240	**Business Ethics**	3	0	0	3

Prerequisite:
Corequisite:
This course introduces contemporary and controversial ethical issues that face the business community. Topics include moral reasoning, moral dilemmas, law and morality, equity, justice and fairness, ethical standards, and moral development. Upon completion, students should be able to demonstrate an understanding of their moral responsibilities and obligations as members of the workforce and society.

BUS 260	**Business Communication**	3	0	0	3

Prerequisite: ENG 111
Corequisite:
This course is designed to develop skills in writing business communications. Emphasis is placed on business reports, correspondence, and professional presentations. Upon completion, students should be able to communicate effectively in the work place.

CAR 110	**Introduction to Carpentry**	2.	0	0	2

Prerequisite:
Corequisite:
This course introduces the student to the carpentry trade. Topics include duties of a carpenter, hand and power tools, building materials, construction methods, and safety. Upon completion, students should be able to identify hand and power tools, common building materials, and basic construction methods.

CAR 111	**Carpentry I**	3	15	0	8

Prerequisite:
Corequisite:
This course introduces the theory and construction methods associated with the building industry, including framing, materials, tools, and equipment. Topics include safety, hand/power tool use, site preparation, measurement and layout, footings and foundations, construction framing, and other related topics. Upon completion, students should be able to safely lay out and perform basic framing skills with supervision. This is a diploma-level course.

		Class	Lab	Clin.	Credit
CAR 112	**Carpentry II**	**3**	**15**	**0**	**8**

Prerequisite:
Corequisite:
This course covers the advanced theory and construction methods associated with the building industry including framing and exterior finishes. Topics include safety, hand/power tool use, measurement and layout, construction framing, exterior trim and finish, and other related topics. Upon completion, students should be able to safely frame and apply exterior finishes to a residential building with supervision.

CAR 113	**Carpentry III**	**3**	**9**	**0**	**6**

Prerequisite: CAR 111
Corequisite:
This course covers interior trim and finishes. Topics include safety, hand/power tool use, measurement and layout, specialty framing, interior trim and finishes, cabinetry, and other related topics. Upon completion, students should be able to safely install various interior trim and finishes in a residential building with supervision.

CAR 115	**Residential Planning/Estimating**	**3**	**0**	**0**	**3**

Prerequisite: BPR 130
Corequisite:
This course covers project planning, management, and estimating for residential or light commercial buildings. Topics include planning and scheduling, interpretation of working drawings and specifications, estimating practices, and other related topics. Upon completion, students should be able to perform quantity take-offs and cost estimates.

CAR 120	**Commercial Carpentry I**	**2**	**12**	**0**	**6**

Prerequisite:
Corequisite:
This course introduces the theory and construction methods associated with general construction, including framing, materials, tools, and equipment. Topics include safety, hand/power tool use, blueprints, rigging, construction framing, windows, exterior doors, and other related topics. Upon completion, students should be able to safely demonstrate basic general carpentry skills with supervision.

CAR 125	**Commercial Carpentry II**	**2**	**12**	**0**	**6**

Prerequisite: CAR 120
Corequisite:
This course covers the advanced theory and construction methods associated with the building industry including concrete framing, reinforcing, and placement. Topics include safety, hand/power tool use, blueprints, concrete construction methods, light equipment operation, and other related topics. Upon completion, students should be able to safely demonstrate concrete construction skills with supervision.

CHM 151	**General Chemistry I**	**3**	**3**	**0**	**4**

Prerequisite: RED 090
Corequisite:
This course covers fundamental principles and laws of chemistry. Topics include measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, and solutions. Upon completion, students should be able to demonstrate an understanding of fundamental chemical laws and concepts as needed in CHM 152. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

		Class	Lab	Clin.	Credit
CHM 152	**General Chemistry II**	3	3	0	4

Prerequisite: CHM 151
Corequisite:
This course provides a continuation of the study of the fundamental principles and laws of chemistry. Topics include kinetics, equilibrium, ionic and redox equations, acid-base theory, electrochemistry, thermodynamics, introduction to nuclear and organic chemistry, and complex ions. Upon completion, students should be able to demonstrate an understanding of chemical concepts as needed to pursue further study in chemistry and related professional fields. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

CIS 110	**Introduction to Computers**	2	2	0	3

Prerequisite:
Corequisite:
This course provides an introduction to computers and computing. Topics include the impact of computers on society, ethical issues, and hardware/software applications, including spreadsheets, databases, word processors, graphics, the Internet, and operating systems. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

CIS 111	**Basic PC Literacy**	1	2	0	2

Prerequisite:
Corequisite:
This course provides a brief overview of computer concepts. Emphasis is placed on the use of personal computers and software applications for personal and workplace use. Upon completion, students should be able to demonstrate basic personal computer skills.

CIS 115	**Intro. to Programming & Logic**	2	2	0	3

Prerequisite: MAT 070
Corequisite:
This course introduces computer programming and problem solving in a programming environment, including an introduction to operating systems, text editor, and a language translator. Topics include language syntax, data types, program organization, problem-solving methods, algorithm design, and logic control structures. Upon completion, students should be able to manage files with operating system commands, use top-down algorithm design, and implement algorithmic solutions in a programming language. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural science/mathematics.*

CIS 120	**Spreadsheet I**	2	2	0	3

Prerequisite: CIS 110 or CIS 111 or OST 137
Corequisite:
This course introduces basic spreadsheet design and development. Topics include writing formulas, using functions, enhancing spreadsheets, creating charts, and printing. Upon completion, students should be able to design and print basic spreadsheets and charts.

CIS 130	**Survey of Operating Systems**	2	3	0	3

Prerequisite: CIS 110
Corequisite:
The course covers operating systems concepts which are necessary for maintaining and using computer systems. Topics include disk, file, and directory structures; installation and setup; resource allocation, optimization, and configuration; system security; and other related topics. Upon completion, students should be able to install and configure operating systems and optimize performance.

		Class	Lab	Clin.	Credit
CIS 152	**Database Concepts & Applications**	**2**	**2**	**0**	**3**

Prerequisite: CIS 110 or CIS 111 or CIS 115
Corequisite:
This course introduces database design and creation using a DBMS product. Topics include database terminology, usage in industry, design theory, types of DBMS models, and creation of simple tables, queries, reports, and forms. Upon completion, students should be able to create simple database tables, queries, reports, and forms which follow acceptable design practices.

CIS 169	**Business Presentations**	**1**	**2**	**0**	**2**

Prerequisite: CIS 110 or CIS 111
Corequisite:
This course provides hands-on experience with a graphics presentation package. Topics include terminology, effective chart usage, design and layout, integrating hardware components, and enhancing presentations with text and graphics. Upon completion, students should be able to design and demonstrate an effective presentation.

CIS 172	**Introduction to the Internet**	**2**	**3**	**0**	**3**

Prerequisite: CIS 110 or CIS 111
Corequisite:
This course introduces the various navigational tools and services of the Internet. Topics include using Internet protocols, search engines, file compression/decompression, FTP, e-mail, listservers, and other related topics. Upon completion, students should be able to use Internet resources, retrieve/decompress files, and use e-mail, FTP, and other Internet tools.

CIS 215	**Hardware Installation/Maintenance**	**2**	**3**	**0**	**3**

Prerequisite: CIS 110 or CIS 111 or CIS 115
Corequisite:
This course covers the basic hardware of a personal computer, including operations and interactions with software. Topics include component identification, the memory system, peripheral installation and configuration, preventive maintenance, and diagnostics and repair. Upon completion, students should be able to select appropriate computer equipment, upgrade and maintain existing equipment, and troubleshoot and repair non-functioning personal computers.

CIS 216	**Software Installation/Maintenance**	**1**	**2**	**0**	**2**

Prerequisite: CIS 130
Corequisite:
This course introduces the installation and troubleshooting aspects of personal computer software. Emphasis is placed on initial installation and optimization of system software, commercial programs, system configuration files, and device drivers. Upon completion, students should be able to install, upgrade, uninstall, optimize, and troubleshoot personal computer software.

CIS 225	**Integated Software**	**1**	**2**	**0**	**2**

Prerequisite: CIS 120 and CIS 152 and OST 136
Corequisite:
This course provides strategies to perform data transfer among software programs. Emphasis is placed on data interchange among word processors, spreadsheets, presentation graphics, databases, and communications products. Upon completion, students should be able to integrate data to produce documents using multiple technologies.

		Class	Lab	Clin.	Credit
CIS 236	**A+ Certification Prep**	**2**	**2**	**0**	**3**

Prerequisite: CIS 215
Corequisite:
This course is designed to prepare students for the A+ Hardware certification exam. Topics include portable computer systems, installing and troubleshooting printers, basic networking concepts and procedures, testing electrical components, using diagnostics utilities, and achieving customer satisfaction. Upon completion, students should be able to repair portable systems and printers, understand basic networking, and use utilities and voltmeters to test computer components.

CJC 100	**Basic Law Enforcement Training**	**8**	**30**	**0**	**18**

Prerequisite:
Corequisite:
This course covers the basic skills and knowledge needed for entry-level employment as a law enforcement officer in North Carolina. Topics are divided into general units of study: legal, patrol duties, law enforcement communications, investigations, practical application and sheriff-specific. Upon completion, the student will be able to demonstrate competence in topics and areas required for the state comprehensive certification examination. *This is a certificate-level course.*

CJC 111	**Introduction to Criminal Justice**	**3**	**0**	**0**	**3**

Prerequisite: RED 080
Corequisite:
This course introduces the components and processes of the criminal justice system. Topics include history, structure, functions, and philosophy of the criminal justice system and their relationship to life in our society. Upon completion, students should be able to define and describe the major system components and their interrelationships and evaluate career options. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

CJC 112	**Criminology**	**3**	**0**	**0**	**3**

Prerequisite: RED 080
Corequisite:
This course introduces deviant behavior as it relates to criminal activity. Topics include theories of crime causation; statistical analysis of criminal behavior; past, present, and future social control initiatives; and other related topics. Upon completion, students should be able to explain and discuss various theories of crime causation and societal response.

CJC 113	**Juvenile Justice**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers the juvenile justice system and related juvenile issues. Topics include an overview of the juvenile justice system, treatment and prevention programs, special areas and laws unique to juveniles, and other related topics. Upon completion, students should be able to identify/discuss juvenile court structure/procedures, function and jurisdiction of juvenile agencies, processing/detention of juveniles, and case disposition.

CJC 120	**Interviews/Interrogations**	**1**	**2**	**0**	**2**

Prerequisite: RED 090
Corequisite:
This course covers basic and special techniques employed in criminal justice interviews and interrogations. Emphasis is placed on the interview/interrogation process, including interpretation of verbal and physical behavior and legal perspectives. Upon completion, students should be able to conduct interviews/interrogations in a legal, efficient, and professional manner and obtain the truth from suspects, witnesses, and victims.

		Class	Lab	Clin.	Credit
CJC 121	**Law Enforcement Operations**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces fundamental law enforcement operations. Topics include the contemporary evolution of law enforcement operations and related issues. Upon completion, students should be able to explain theories, practices, and issues related to law enforcement operations. *This course has been approved for transfer through the Comprehensive Articulation Agreement.*

CJC 131	**Criminal Law**	**3**	**0**	**0**	**3**

Prerequisite: RED 080
Corequisite:
This course covers the history/evolution/principles and contemporary applications of criminal law. Topics include sources of substantive law, classification of crimes, parties to crime, elements of crimes, matters of criminal responsibility, and other related topics. Upon completion, students should be able to discuss the sources of law and identify, interpret, and apply the appropriate statutes/elements.

CJC 132	**Court Procedure & Evidence**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers judicial structure/process/procedure from incident to disposition, kinds and degrees of evidence, and the rules governing admissibility of evidence in court. Topics include consideration of state and federal courts, arrest, search and seizure laws, exclusionary and statutory rules of evidence, and other related issues. Upon completion, students should be able to identify and discuss procedures necessary to establish a lawful arrest/search, proper judicial procedures, and the admissibility of evidence.

CJC 141	**Corrections**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers the history, major philosophies, components, and current practices and problems of the field of corrections. Topics include historical evolution, functions of the various components, alternatives to incarceration, treatment programs, inmate control, and other related topics. Upon completion, students should be able to explain the various components, processes, and functions of the correctional system. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

CJC 212	**Ethics & Community Relations**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers ethical considerations and accepted standards applicable to criminal justice organizations and professionals. Topics include ethical systems; social change, values, and norms; cultural diversity; citizen involvement in criminal justice issues; and other related topics. Upon completion, students should be able to apply ethical considerations to the decision-making process in identifiable criminal justice situations.

CJC 213	**Substance Abuse**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course is a study of substance abuse in our society. Topics include the history and classifications of drug abuse and the social, physical, and psychological impact of drug abuse. Upon completion, students should be able to identify various types of drugs, their effects on human behavior and society, and treatment modalities.

		Class	Lab	Clin.	Credit
CJC 214	**Victimology**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course introduces the study of victims. Emphasis is placed on roles/characteristics of victims, victim interaction with the criminal justice system and society, current victim assistance programs, and other related topics. Upon completion, students should be able to discuss and identify victims, the uniqueness of victims' roles, and current victim assistance programs.

CJC 221	**Investigative Principles**	3	2	0	4

Prerequisite: RED 090
Corequisite:
This course introduces the theories and fundamentals of the investigative process. Topics include crime scene/incident processing, information gathering techniques, collection/preservation of evidence, preparation of appropriate reports, court presentations, and other related topics. Upon completion, students should be able to identify, explain, and demonstrate the techniques of the investigative process, report preparation, and courtroom presentation.

CJC 222	**Criminalistics**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course covers the functions of the forensic laboratory and its relationship to successful criminal investigations and prosecutions. Topics include advanced crime scene processing, investigative techniques, current forensic technologies, and other related topics. Upon completion, students should be able to identify and collect relevant evidence at simulated crime scenes and request appropriate laboratory analysis of submitted evidence.

CJC 225	**Crisis Intervention**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course introduces critical incident intervention and management techniques as they apply to operational criminal justice practitioners. Emphasis is placed on the victim/offender situation as well as job-related high stress, dangerous, or problem-solving citizen contacts. Upon completion, students should be able to provide insightful analysis of emotional, violent, drug-induced, and other critical and/or stressful incidents that require field analysis and/or resolution.

CJC 231	**Constitutional Law**	3	0	0	3

Prerequisite: RED 090
Corequisite:
The course covers the impact of the Constitution of the United States and its amendments on the criminal justice system. Topics include the structure of the Constitution and its amendments, court decisions pertinent to contemporary criminal justice issues, and other related topics. Upon completion, students should be able to identify/discuss the basic structure of the United States Constitution and the rights/procedures as interpreted by the courts.

CJC 233	**Correctional Law**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course introduces statutory/case law pertinent to correctional concepts, facilities, and related practices. Topics include examination of major legal issues encompassing incarceration, probation, parole, restitution, pardon, restoration of rights, and other related topics. Upon completion, students should be able to identify/discuss legal issues which directly affect correctional systems and personnel.

		Class	Lab	Clin.	Credit
CJC 240	**Law Enforcement Mgmt. & Sup.**	**3**	**0**	**0**	**3**

Prerequisite: BUS 253, RED 090
Corequisite:
This course provides a study of the best known methods and practices of police leadership and management. Topics include the role of the manager in law enforcement, communications, time-management in law enforcement, managing problems, training and law enforcement productivity. Upon completion, students should be able to identify and discuss methods and practices capable of moving law enforcement agencies forward into the twenty-first century.

CJC 241	**Community-Based Corrections**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers programs for convicted offenders that are used both as alternatives to incarceration and in post-incarceration situations. Topics include offenders, diversion, house arrest, restitution, community service, probation and parole, including both public and private participation, and other related topics. Upon completion, students should be able to identify/discuss the various programs from the perspective of the criminal justice professional, the offender, and the community.

COE 111	**Co-op Work Experience I**	**0**	**0**	**10**	**1**

Prerequisite:
Corequisite: COE 115
This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

COE 112	**Co-op Work Experience I**	**0**	**0**	**20**	**2**

Prerequisite:
Corequisite: COE 115
This course provides work experience with a college approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

COE 115	**Work Experience Seminar I**	**1**	**0**	**0**	**1**

Prerequisite:
Corequisite: COE 111 or COE 112 or COE 113
This course provides an opportunity to discuss hands-on experiences in COE 111, COE 112 or COE 113 with peers and faculty. Emphasis is placed on evaluating and integrating practicum experiences. Upon completion, students should be able to demonstrate competence in their field of study.

COE 121	**Co-op Work Experience II**	**0**	**0**	**10**	**1**

Prerequisite:
Corequisite: COE 125
This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

		Class	Lab	Clin.	Credit
COE 125	**Work Experience Seminar II**	**1**	**0**	**0**	**1**

Prerequisite:
Corequisite: COE 121

This course provides an opportunity to discuss the application of skills demonstrated in COE 121. Emphasis is placed on practical, hands-on experience in a developmentally appropriate early childhood environment. Upon completion, students should be able to demonstrate competence in planning, presenting, and evaluating learning experiences for young children. This course is intended for Early Childhood Associate students.

COE 131	**Co-op Work Experience III**	**0**	**0**	**10**	**1**

Prerequisite:
Corequisite: COE 135

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

COE 135	**Work Experience Seminar III**	**1**	**0**	**0**	**1**

Prerequisite:
Corequisite: COE 131

This course provides an opportunity to discuss the application of skills acquired through classroom learning and demonstrated in COE 131. Emphasis is placed on evaluating and integrating developmentally appropriate practices for young children. Upon completion, students should be able to demonstrate competence in early childhood education. This course is intended for Early Childhood Associate students.

COM 110	**Introduction to Communication**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:

This course provides an overview of the basic concepts of communication and the skills necessary to communicate in various contexts. Emphasis is placed on communication theories and techniques used in interpersonal group, public, intercultural, and mass communication situations. Upon completion, students should be able to explain and illustrate the forms and purposes of human communication in a variety of contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

COM 120	**Interpersonal Communication**	**3**	**0**	**0**	**3**

Prerequisite: ACA 111 and COM 110
Corequisite:

This course introduces the practices and principles of interpersonal communication in both dyadic and group settings. Emphasis is placed on the communication process, perception, listening, self-disclosure, speech apprehension, ethics, nonverbal communication, conflict, power, and dysfunctional communication relationships. Upon completion, students should be able to demonstrate interpersonal communication skills, apply basic principles of group discussion, and manage conflict in interpersonal communication situations. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

		Class	Lab	Clin.	Credit
COM 130	**Nonverbal Communication**	**3**	**0**	**0**	**3**

Prerequisite: COM 120
Corequisite:
This course introduces the contemporary study of nonverbal communication in daily life. Topics include haptics, kinesics, proxemics, facial displays, and appearance. Upon completion, students should be able to analyze/interpret nonverbal communication and demonstrate greater awareness of their own nonverbal communication habits. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

COM 231	**Public Speaking**	**3**	**0**	**0**	**3**

Prerequisite: ACA 111 and COM 110
Corequisite:
This course provides instruction and experience in preparation and delivery of speeches within a public setting and group discussion. Emphasis is placed on research, preparation, delivery, and evaluation of informative, persuasive, and special occasion public speaking. Upon completion, students should be able to prepare and deliver well-organized speeches and participate in group discussion with appropriate audiovisual support. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

COS 111	**Cosmetology Concepts I**	**4**	**0**	**0**	**4**

Prerequisite:
Corequisite: COS 112
This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, product knowledge, chemistry, ethics, manicures, and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting.

COS 112	**Salon I**	**0**	**24**	**0**	**8**

Prerequisite:
Corequisite: COS 111
This course introduces basic salon services. Topics include scalp treatments, shampooing, rinsing, hair color, design, haircutting, permanent waving, pressing, relaxing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate salon services.

COS 113	**Cosmetology Concepts II**	**4**	**0**	**0**	**4**

Prerequisite:
Corequisite: COS 114
This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, chemistry, manicuring, chemical restructuring, and hair coloring. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

COS 114	**Salon II**	**0**	**24**	**0**	**8**

Prerequisite:
Corequisite: COS 113
This course provides experience in a simulated salon setting. Topics include basic skin care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

		Class	Lab	Clin.	Credit
COS 115	**Cosmetology Concepts III**	4	0	0	4

Prerequisite:
Corequisite: COS 116
This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, salon management, salesmanship, skin care, electricity/light therapy, wigs, thermal hair styling, lash and brow tinting, superfluous hair removal, and other related topics. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

COS 116	**Salon III**	0	12	0	4

Prerequisite:
Corequisite: COS 115
This course provides comprehensive experience in a simulated salon setting. Emphasis is placed on intermediate-level of skin care, manicuring, scalp treatments, shampooing, hair color, design, haircutting, chemical restructuring, pressing, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

COS 117	**Cosmetology Concepts IV**	2	0	0	2

Prerequisite:
Corequisite: COS 118
This course covers advanced cosmetology concepts. Topics include chemistry and hair structure, advanced cutting and design, and an overview of all cosmetology concepts in preparation for the licensing examination. Upon completion, students should be able to demonstrate an understanding of these cosmetology concepts and meet program completion requirements.

COS 118	**Salon IV**	0	21	0	7

Prerequisite:
Corequisite: COS 117
This course provides advanced experience in a simulated salon setting. Emphasis is placed on efficient and competent delivery of all salon services in preparation for the licensing examination and employment. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology Licensing Examination and meet entry-level employment requirements.

COS 119	**Esthetics Concepts I**	2	0	0	2

Prerequisite:
Corequisite: COS 120
This course covers the concepts of esthetics. Topics include orientation, anatomy, physiology, hygiene, sterilization, first aid, chemistry, basic dermatology, and professional ethics. Upon completion, students should be able to demonstrate an understanding of the concepts of esthetics and meet course requirements.

COS 120	**Esthetics Salon I**	0	18	0	6

Prerequisite:
Corequisite: COS 119
This course covers the techniques of esthetics in a comprehensive experience in a simulated salon setting. Topics include client consultation, facials, body treatments, hair removal, make-up applications, and color analysis. Upon completion, students should be able to safely and competently demonstrate esthetic services on clients in a salon setting.

		Class	Lab	Clin.	Credit
COS 121	**Manicure/Nail Technology I**	**4**	**6**	**0**	**6**

Prerequisite:
Corequisite:
This course covers techniques of nail technology, hand and arm massage, and recognition of nail diseases and disorders. Topics include OSHA/safety, sanitation, bacteriology, product knowledge, salesmanship, manicures, artificial applications, pedicures, massage, and other related topics. Upon completion, students should be able to safely and competently perform nail care, including manicures, pedicures, massage, decorating, and artificial applications in a salon setting.

COS 122	**Manicure/Nail Technology II**	**4**	**6**	**0**	**6**

Prerequisite: COS 121
Corequisite:
This course covers advanced techniques of nail technology and hand and arm massage. Topics include OSHA/safety, product knowledge, customer service, salesmanship, artificial applications, nail art, and other related topics. Upon completion, students should be able to demonstrate competence necessary for the licensing examination, including advanced nail care, artificial enhancements, and decorations.

COS 125	**Esthetics Concepts II**	**2**	**0**	**0**	**2**

Prerequisite: COS 119, COS 120
Corequisite: COS 126
This course covers more comprehensive esthetics concepts. Topics include nutrition, business management, makeup, and color analysis. Upon completion students should be able to demonstrate an understanding of the advanced esthetics concepts and meet course requirements.

COS 126	**Esthetics Salon II**	**0**	**18**	**0**	**6**

Prerequisite: COS 119, COS 120
Corequisite: COS 125
This course provides experience in a simulated esthetics setting. Topics include machine facials, aromatherapy, massage therapy, electricity, and apparatus. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology licensing examination for Estheticians.

COS 223	**Contemporary Hair Coloring**	**1**	**3**	**0**	**2**

Prerequisite: COS 111 and COS 112
Corequisite:
This course covers basic color concepts, hair coloring problems and application techniques. Topics include color theory, terminology, contemporary techniques, product knowledge, and other related topics. Upon completion, students should be able to identify a client's color needs and safely and competently perform color applications and correct problems.

COS 251	**Manicure Instructor Concepts**	**8**	**0**	**0**	**8**

Prerequisite:
Corequisite: COS 252
This course introduces manicuring instructional concepts. Topics include orientation, theories of education, unit planning, daily lesson planning, laboratory management, student assessment, record keeping, and other related topics. Upon completion, students should be able to identify theories of education, develop lesson plans, demonstrate supervision techniques, and assess student classroom performance.

		Class	Lab	Clin.	Credit
COS 252	**Manicure Instructor Practicum**	**0**	**15**	**0**	**5**

Prerequisite: NC Cosmetology or Manicurist License and six months work experience in a cosmetic arts salon
Corequisite: COS 251
This course covers supervisory and instructional skills for teaching manicuring students in a laboratory setting. Topics include demonstrations of services, supervision, student assessment, and other related topics. Upon completion, students should be able to demonstrate competence in the areas covered by the Manicuring Instructor Licensing Examination and meet program completion requirements.

COS 253	**Esthetics Instructor Concepts I**	**6**	**15**	**0**	**11**

Prerequisite:
Corequisite:
This course introduces esthetic instructional concepts and skills. Topics include orientation, theories of education, unit planning, daily lesson plans, laboratory management, student assessment in a laboratory setting. Upon completion, students should be able to demonstrate esthetic services and instruct and objectively assess student performance in a classroom setting.

COS 254	**Esthetic Instructor Concepts II**	**6**	**15**	**0**	**11**

Prerequisite:
Corequisite:
This course covers advanced esthetic instructional concepts and skills. Topics include practical demonstrations, lesson planning, lecture techniques, development and administration of assessment tools record keeping and other related topics. Upon completion, students should be able to demonostrate competencies in the areas covered by the Esthetics Instructor Licensing examination and meet program requirements.

COS 271	**Instructor Concepts I**	**5**	**0**	**0**	**5**

Prerequisite: Cosmetology License and six months experience as a licensed cosmetologist
Corequisite: COS 272
This course introduces the basic cosmetology instructional concepts. Topics include orientation, theories of education, unit planning, daily lesson planning, laboratory management, student assessment, record keeping, and other related topics. Upon completion, students should be able to identify theories of education, develop lesson plans, demonstrate supervisory techniques, and assess student performance in a classroom setting.

COS 272	**Instructor Practicum I**	**0**	**21**	**0**	**7**

Prerequisite: Cosmetology License and six months experience as a licensed cosmetologist
Corequisite: COS 271
This course covers supervisory and instructional skills for teaching entry-level cosmetology students in a laboratory setting. Topics include demonstrations of services, supervision, and entry-level student assessment. Upon completion, students should be able to demonstrate salon services and instruct and objectively assess the entry-level student.

COS 273	**Instructor Concepts II**	**5**	**0**	**0**	**5**

Prerequisite: COS 271 and COS 272
Corequisite: COS 274
This course covers advanced cosmetology instructional concepts. Topics include practical demonstrations, lesson planning, lecture techniques, development and administration of assessment tools, record keeping, and other related topics. Upon completion, students should be able to develop lesson plans, demonstrate supervision techniques, assess student performance in a classroom setting, and keep accurate records.

		Class	Lab	Clin.	Credit
COS 274	**Instructor Practicum II**	**0**	**21**	**0**	**7**

Prerequisite: COS 271 and COS 272
Corequisite: COS 273

This course is designed to develop supervisory and instructional skills for teaching advanced cosmetology students in a laboratory setting. Topics include practical demonstrations, supervision, and advanced student assessment. Upon completion, students should be able to demonstrate competence in the areas covered by the Instructor Licensing Examination and meet program completion requirements. *This is a certificate-level course.*

CSC 132	**BASIC Programming**	**2**	**3**	**0**	**3**

Prerequisite: CIS 115
Corequisite:

This course is designed to introduce computer programming using the BASIC programming language. Topics include input/output operations, sequence, selection, iteration, arithmetic operations, arrays/tables, and other related topics. Upon completion, students should be able to design, code, test, and debug BASIC language programs.

CSC 139	**Visual BASIC Programming**	**2**	**3**	**0**	**3**

Prerequisite: CIS 115
Corequisite:

This course introduces event-driven computer programming using the Visual BASIC programming language. Topics include input/output operations, sequence, selection, iteration, arithmetic operations, arrays, forms, sequential files, and other related topics. Upon completion, students should be able to design, code, test, and debug Visual BASIC language programs.

DAN 110	**Dance Appreciation**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:

This course for non-dance majors surveys diverse dance forms and the religious and cultural values that shape them. Topics include dances from Europe, Africa, Asia, and America. Upon completion, students should be able to demonstrate an understanding of the diverse forms and values that dance embraces. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

DRA 111	**Theatre Appreciation**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:

This course provides a study of the art, craft, and business of the theatre. Emphasis is placed on the audience's appreciation of the work of the playwright, director, actor, designer, producer, and critic. Upon completion, students should be able to demonstrate a vocabulary of theatre terms and to recognize the contributions of various theatre artists. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

DRA 122	**Oral Interpretation**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:

This course introduces the dramatistic study of literature through performance. Emphasis is placed on analysis and performance of poetry, drama, and prose fiction. Upon completion, students should be able to embody and discuss critically the speakers inherent in literature. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

		Class	Lab	Clin.	Credit
DRA 126	**Storytelling**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course introduces the art of storytelling and the oral traditions of folk literature. Topics include the history of storytelling, its value and purpose, techniques of the storyteller, and methods of collecting verbal art. Upon completion, students should be able to present and discuss critically stories from the world's repertory of traditional lore. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ECO 151	**Survey of Economics**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course, for those who have not received credit for ECO 251 or 252, introduces basic concepts of micro- and macroeconomics. Topics include supply and demand, optimizing economic behavior, prices and wages, money, interest rates, banking system, unemployment, inflation, taxes, government spending, and international trade. Upon completion, students should be able to explain alternative solutions for economic problems faced by private and government sectors. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

ECO 251	**Principles of Microeconomics**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course introduces economic analysis of individual, business, and industry choices in the market economy. Topics include the price mechanism, supply and demand, optimizing economic behavior, costs and revenue, market structures, factor markets, income distribution, market failure, and government intervention. Upon completion, students should be able to identify and evaluate consumer and business alternatives in order to efficiently achieve economic objectives. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

ECO 252	**Principles of Macroeconomics**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course introduces economic analysis of aggregate employment, income, and prices. Topics include major schools of economic thought; aggregate supply and demand; economic measures, fluctuations, and growth; money and banking; stabilization techniques; and international trade. Upon completion, students should be able to evaluate national economic components, conditions, and alternatives for achieving socioeconomic goals. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

EDU 111	**Early Childhood Credentials I**	2	0	0	2

Prerequisite:
Corequisite:
This course introduces early childhood education and the role of the teacher in environments that encourage exploration and learning. Topics include professionalism, child growth and development, individuality, family, and culture. Upon completion, students should be able to identify and demonstrate knowledge of professional roles, major areas of child growth and development, and diverse families.

		Class	Lab	Clin.	Credit
EDU 112	**Early Childhood Credentials II**	**2**	**0**	**0**	**2**

Prerequisite:
Corequisite:
This course introduces developmentally appropriate practices, positive guidance, and standards of health, safety, and nutrition. Topics include the learning environment, planning developmentally appropriate activities, positive guidance techniques, and health, safety, and nutrition standards. Upon completion, students should be able to demonstrate developmentally appropriate activities and positive guidance techniques and describe health/sanitation/nutrition practices that promote healthy environments for children.

EDU 113	**Family/Early Child Credentials**	**2**	**0**	**0**	**2**

Prerequisite:
Corequisite:
This course covers business/professional practices for family early childhood providers, developmentally appropriate practices, positive guidance, and methods of providing a safe and healthy environment. Topics include developmentally appropriate practices; health, safety and nutrition; and business and professionalism. Upon completion, students should be able to develop a handbook of policies, procedures, and practices for a family child care home.

EDU 119	**Early Childhood Education**	**3**	**2**	**0**	**4**

Prerequisite:
Corequisite:
This course covers the foundations of the education profession, types of programs, professionalism, and planning quality programs for children. Topics include historical foundations, career options, types of programs, professionalism, observational skills, and planning developmentally appropriate schedules, environments, and activities for children. Upon completion, students should be able to demonstrate observational skills, identify appropriate schedules and environments, develop activity plans, and describe influences on the profession.

EDU 131	**Child, Family, & Community**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course covers the relationships between the families, programs for children/schools, and the community. Emphasis is placed on establishing and maintaining positive collaborative relationships with families and community resources. Upon completion, students should be able to demonstrate strategies for effectively working with diverse families and identifying and utilizing community resources.

EDU 144	**Child Development I**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course covers the theories of child development and the developmental sequences of children from conception through the pre-school years for early childhood educators. Emphasis is placed on sequences in physical/motor, social, emotional, cognitive, and language development and appropriate experiences for the young child. Upon completion, students should be able to identify developmental milestones, plan experiences to enhance development, and describe appropriate interaction techniques and environments for typical/atypical development.

		Class	Lab	Clin.	Credit
EDU 145	**Child Development II**	3	0	0	3

Prerequisite:
Corequisite:
This course covers theories of child development and developmental sequences of children from pre-school through middle childhood for early childhood educators. Emphasis is placed on characteristics of physical/motor, social, emotional, and cognitive/language development and appropriate experiences for children. Upon completion, students should be able to identify developmental characteristics, plan experiences to enhance development, and describe appropriate interaction techniques and environments.

EDU 146	**Child Guidance**	3	0	0	3

Prerequisite:
Corequisite:
This course introduces practical principles and techniques for developmentally appropriate guidance. Emphasis is placed on encouraging self-esteem and cultural awareness, effective communication skills, and direct and indirect guidance techniques and strategies. Upon completion, students should be able to demonstrate strategies which encourage positive social interactions, promote conflict resolution, and develop self-control, self-motivation, and self-esteem in children.

EDU 151	**Creative Activities**	3	0	0	3

Prerequisite:
Corequisite: EDU 151A
This course covers creative learning environments, planning and implementing developmentally appropriate experiences, and developing appropriate teaching materials for the classroom. Emphasis is placed on creative activities for children in art, music, movement and physical skills, and dramatics. Upon completion, students should be able to select and evaluate developmentally appropriate learning materials and activities.

EDU 151A	**Creative Activities Lab**	0	2	0	1

Prerequisite:
Corequisite: EDU 151
This course provides a laboratory component to complement EDU 151. Emphasis is placed on practical experiences that enhance concepts introduced in the classroom. Upon completion, students should be able to demonstrate a practical understanding of the development and implementation of appropriate creative activities.

EDU 153	**Health, Safety, & Nutrition**	3	0	0	3

Prerequisite:
Corequisite: EDU 153A
This course focuses on promoting and maintaining the health and well-being of children. Topics include health and nutritional needs, safe and healthy environments, and recognition and reporting of child abuse and neglect. Upon completion, students should be able to set up and monitor safe indoor and outdoor environments and implement a nutrition education program.

EDU 153A	**Health, Safety, & Nutrition Lab**	0	2	0	1

Prerequisite:
Corequisite: EDU 153
This course provides a laboratory component to complement EDU 153. Emphasis is placed on practical experiences that enhance concepts introduced in the classroom. Upon completion, students should be able to demonstrate a practical understanding of the development and implementation of safe indoor/outdoor environments and nutrition education programs.

		Class	Lab	Clin.	Credit
EDU 221	**Children with Special Needs**	**3**	**0**	**0**	**3**

Prerequisite: EDU 144 and EDU 145
Corequisite:
This course introduces working with children with special needs. Emphasis is placed on the characteristics and assessment of children and strategies for adapting the home and classroom environment. Upon completion, students should be able to recognize atypical development, make appropriate referrals, and work collaboratively to plan, implement, and evaluate inclusion strategies.

EDU 234	**Infants, Toddlers, and Twos**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course covers the skills needed to effectively implement group care for infants, toddlers and two-year olds. Emphasis is placed on child development and developmentally appropriate practices. Upon completion, students should be able to identify, plan, select materials and equipment, and implement and evaluate a developmentally appropriate curriculum.

EDU 235	**School-Age Dev & Program**	**2**	**0**	**0**	**2**

Prerequisite:
Corequisite:
This course presents developmentally appropriate practices in group care for school-age children. Topics include principles of development, environmental planning, and positive guidance techniques. Upon completion, students should be able to discuss developmental principles for children five to twelve years of age and plan and implement age-appropriate activities.

EDU 251	**Exploration Activities**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course covers discovery experiences in science, math, and social studies. Emphasis is placed on developing concepts for each area and encouraging young children to explore, discover, and construct concepts. Upon completion, students should be able to discuss the discovery approach to teaching, explain major concepts in each area, and plan appropriate experiences for children.

EDU 259	**Curriculum Planning**	**3**	**0**	**0**	**3**

Prerequisite: EDU 112 or EDU 119
Corequisite:
This course covers early childhood curriculum planning. Topics include philosophy, curriculum, indoor and outdoor environmental design, scheduling, observation and assessment, and instructional planning and evaluation. Upon completion, students should be able to assess children and curriculum; plan for daily, weekly, and long-range instruction; and design environments with appropriate equipment and supplies.

EDU 261	**Early Childhood Admin I**	**2**	**0**	**0**	**2**

Prerequisite: MAT 060
Corequisite:
This course covers the policies, procedures, and responsibilities for the management of early childhood education programs. Topics include implementation of goals, principles of supervision, budgeting and financial management, and meeting the standards for a NC Child Day Care license. Upon completion, students should be able to develop program goals, explain licensing standards, determine budgeting needs, and describe effective methods of personnel supervision.

		Class	Lab	Clin.	Credit
EDU 262	**Early Childhood Admin II**	3	0	0	3

Prerequisite: EDU 261
Corequisite:
This course provides a foundation for budgetary, financial, and personnel management of the child care center. Topics include budgeting, financial management, marketing, hiring, supervision, and professional development of a child care center. Upon completion, students should be able to formulate marketing, financial management, and fund development plans and develop personnel policies, including supervision and staff development plans.

EDU 263	**Dev School-Age Programs**	2	0	0	2

Prerequisite:
Corequisite:
This course introduces the methods and procedures for operating a school-age program in either the public or proprietary setting. Emphasis is placed on constructing and organizing the physical environment as well as planning and developing a school-age program. Upon completion, students should be able to plan and develop a quality school-age program.

EDU 271	**Media Tech for Teachers**	2	2	0	3

Prerequisite:
Corequisite:
This course covers the operation and maintenance of recording and projection equipment, the creation of classroom materials, and the application of new technologies in schools. Topics include audiovisual equipment and production, electronic and on-line information, instructional materials construction, and use of educational software. Upon completion, students should be able to use and maintain audiovisual equipment, develop instructional materials, and implement technologies for clerical management and instruction.

EDU 282	**Early Childhood Literature**	3	0	0	3

Prerequisite:
Corequisite:
This course covers the history, selection, and integration of literature and language in the early childhood curriculum. Topics include the history and selection of developmentally appropriate children's literature and the use of books and other media to enhance language and literacy in the classroom. Upon completion, students should be able to select appropriate books for storytelling, reading aloud, puppetry, flannel board use, and other techniques.

ELC 111	**Introduction to Electricity**	2	2	0	3

Prerequisite:
Corequisite:
This course introduces the fundamental concepts of electricity and test equipment to non-electrical/electronics majors. Topics include basic DC and AC principles (voltage, resistance, current, impedance); components (resistors, inductors, and capacitors); power; and operation of test equipment. Upon completion, students should be able to construct and analyze simple DC and AC circuits using electrical test equipment.

ELC 112	**DC/AC Electricity**	3	6	0	5

Prerequisite:
Corequisite:
This course introduces the fundamental concepts of and computations related to DC/AC electricity. Emphasis is placed on DC/AC circuits, components, operation of test equipment; and other related topics. Upon completion, students should be able to construct, verify, and analyze simple DC/AC circuits.

		Class	Lab	Clin.	Credit
ELC 113	**Basic Wiring I**	2	6	0	4

Prerequisite:
Corequisite:
This course introduces the care/usage of tools and materials used in electrical installations and the requirements of the National Electrical Code. Topics include NEC, electrical safety, and electrical blueprint reading; planning, layout; and installation of electrical distribution equipment; lighting; overcurrent protection; conductors; branch circuits; and conduits. Upon completion, students should be able to properly install conduits, wiring, and electrical distribution equipment associated with basic electrical installations.

ELC 114	**Basic Wiring II**	2	6	0	4

Prerequisite: ELC 113
Corequisite:
This course provides additional instruction in the application of electrical tools, materials, and test equipment associated with electrical installations. Topics include the NEC; safety; electrical blueprints; planning, layout, and installation of equipment and conduits; and wiring devices such as panels and overcurrent devices. Upon completion, students should be able to properly install equipment and conduit associated with electrical installations.

ELC 115	**Industrial Wiring**	2	6	0	4

Prerequisite: ELC 113
Corequisite:
This course covers layout, planning, and installation of wiring systems in industrial facilities. Emphasis is placed on industrial wiring methods and materials. Upon completion, students should be able to install industrial systems and equipment.

ELC 117	**Motors and Controls**	2	6	0	4

Prerequisite: ELC 112 or ELC 131
Corequisite:
This course introduces the fundamental concepts of motors and motor controls. Topics include ladder diagrams, pilot devices, contactors, motor starters, motors, and other control devices. Upon completion, students should be able to properly select, connect, and troubleshoot motors and control circuits.

ELC 118	**National Electrical Code**	1	2	0	2

Prerequisite:
Corequisite:
This course covers the use of the current National Electrical Code. Topics include the NEC history, wiring methods, overcurrent protection, materials, and other related topics. Upon completion, students should be able to effectively use the NEC.

ELC 119	**NEC Calculations**	1	2	0	2

Prerequisite:
Corequisite:
This course covers branch circuit, feeder, and service calculations. Emphasis is placed on sections of the National Electrical Code related to calculations. Upon completion, students should be able to use appropriate code sections to size wire, conduit, and overcurrent devices for branch circuits, feeders, and service.

		Class	Lab	Clin.	Credit
ELC 128	**Introduction to PLC**	2	3	0	3

Prerequisite:
Corequisite:
This course introduces the programmable logic controller (PLC) and its associated applications. Topics include ladder logic diagrams, input/output modules, power supplies, surge protection, selection/installation of controllers, and interfacing of controllers with equipment. Upon completion, students should be able to install PLCs and create simple programs.

ELC 131	**DC/AC Circuit Analysis**	4	3	0	5

Prerequisite:
Corequisite: MAT 121
This course introduces DC and AC electricity with an emphasis on circuit analysis, measurements, and operation of test equipment. Topics include DC and AC principles, circuit analysis laws and theorems, components, test equipment operation, circuit simulation software, and other related topics. Upon completion, students should be able to interpret circuit schematics; design, construct, verify, and analyze DC/AC circuits; and properly use test equipment.

ELC 132	**Electrical Drawings**	1	3	0	2

Prerequisite:
Corequisite:
This course introduces the technical documentation that is typically found or used in the industrial environment. Topics include interpretation of service manuals, freehand sketching of lines, orthographic views and dimensions, and blueprint reading. Upon completion, students should be able to interpret technical documents and blueprints and use basic drafting skills to prepare usable field drawings.

ELC 135	**Electrical Machines I**	2	2	0	3

Prerequisite: ELC 131or ELC 112
Corequisite:
This course covers magnetic circuits, transformers, DC/AC generators, and a review of the three-phase circuit fundamentals including power factor. Topics include magnetic terms and calculations, transformer calculations based on primary or secondary equivalent circuits, and generator regulation and efficiency calculations. Upon completion, students should be able to perform regulation and efficiency calculations for DC/AC single- and three-phase transformer and generator circuits.

ELC 231	**Electric Power Systems**	3	2	0	4

Prerequisite:
Corequisite:
This course covers the basic principles of electric power systems, including transmission lines, generator and transformer characteristics, and fault detection and correction. Emphasis is placed on line diagrams and per unit calculations for circuit performance analysis in regards to voltage regulation, power factor, and protection devices. Upon completion, students should be able to analyze simple distribution subsystems, calculate fault current, and determine the size and type of circuit protection devices.

ELN 131	**Electronic Devices**	3	3	0	4

Prerequisite:
Corequisite: ELC 112, ELC 131 or ELC 140
This course includes semiconductor-based devices such as diodes, bipolar transistors, FETs, thermistors, and related components . Emphasis is placed on analysis, selection, biasing, and applications in power supplies, small signal amplifiers, and switching and control circuits. Upon completion, students should be able to construct, analyze, verify, and troubleshoot discrete component circuits using appropriate techniques and test equipment.

		Class	Lab	Clin.	Credit
ELN 132	**Linear IC Applications**	**3**	**3**	**0**	**4**

Prerequisite: ELN 131
Corequisite:
This course introduces the characteristics and applications of linear integrated circuits. Topics include op-amp circuits, differential amplifiers, instrumentation amplifiers, waveform generators, active filters, PLLs, and IC voltage regulators. Upon completion, students should be able to construct, analyze, verify, and troubleshoot linear integrated circuits using appropriate techniques and test equipment.

ELN 133	**Digital Electronics**	**3**	**3**	**0**	**4**

Prerequisite:
Corequisite:
This course covers combinational and sequential logic circuits. Topics include number systems, Boolean algebra, logic families, MSI and LSI circuits, AD/DA conversion, and other related topics. Upon completion, students should be able to construct, analyze, verify, and troubleshoot digital circuits using appropriate techniques and test equipment.

ELN 150	**CAD for Electronics**	**1**	**3**	**0**	**2**

Prerequisite: CIS 110 or CIS 111
Corequisite:
This course introduces computer-aided drafting (CAD) with an emphasis on applications in the electronics field. Topics include electronics industry standards (symbols, schematic diagrams, layouts); drawing electronic circuit diagrams; and specialized electronic drafting practices and components such as resistors, capacitors, and ICs. Upon completion, students should be able to prepare electronic drawings with CAD software.

ELN 232	**Introduction to Microprocessors**	**3**	**3**	**0**	**4**

Prerequisite: ELN 133
Corequisite:
This course introduces microprocessor architecture and microcomputer systems including memory and input/output interfacing. Topics include assembly language programming, bus architecture, bus cycle types, I/O systems, memory systems, interrupts, and other related topics. Upon completion, students should be able to interpret, analyze, verify, and troubleshoot fundamental microprocessor circuits and programs using appropriate techniques and test equipment.

ELN 233	**Microprocessor Systems**	**3**	**3**	**0**	**4**

Prerequisite: ELN 232
Corequisite:
This course covers the application and design of microprocessor control systems. Topics include control and interfacing of systems using AD/DA, serial/parallel I/O, communication protocols, and other related applications. Upon completion, students should be able to design, construct, program, verify, analyze, and troubleshoot fundamental microprocessor interface and control circuits using related equipment.

ELN 234	**Communication Systems**	**3**	**3**	**0**	**4**

Prerequisite: ELN 132
Corequisite:
This course introduces the fundamentals of electronic communication systems. Topics include the frequency spectrum, electrical noise, modulation techniques, characteristics of transmitters and receivers, and digital communications. Upon completion, students should be able to interpret analog and digital communication circuit diagrams, analyze transmitter and receiver circuits, and use appropriate communication test equipment.

		Class	Lab	Clin.	Credit
ENG 070	**Basic Language Skills**	2	2	0	3

Prerequisite:
Corequisite:
This course introduces the fundamentals of standard written English. Emphasis is placed on effective word choice, recognition of sentences and sentence parts, and basic usage. Upon completion, students should be able to generate sentences that clearly express ideas. *This course does not satisfy the developmental reading and writing prerequisite for ENG 111 or ENG 111A.*

ENG 080	**Writing Foundations**	3	2	0	4

Prerequisite: ENG 070
Corequisite:
This course introduces the writing process and stresses effective sentences. Emphasis is placed on applying the conventions of written English, reflecting standard usage and mechanics in structuring a variety of sentences. Upon completion, students should be able to write correct sentences and a unified, coherent paragraph. *This course does not satisfy the developmental reading and writing prerequisite for ENG 111.*

ENG 090	**Composition Strategies**	3	0	0	3

Prerequisite: ENG 080
Corequisite: ENG 090A
This course provides practice in the writing process and stresses effective paragraphs. Emphasis is placed on learning and applying the conventions of standard written English in developing paragraphs within the essay. Upon completion, students should be able to compose a variety of paragraphs and a unified, coherent essay. *This course satisfies the developmental writing requirement for ENG 111.*

ENG 090A	**Composition Strategies Lab**	0	2	0	1

Prerequisite: ENG 080
Corequisite: ENG 090
This writing lab is designed to practice the skills introduced in ENG 090. Emphasis is placed on learning and applying the conventions of standard written English in developing paragraphs within the essay. Upon completion, students should be able to compose a variety of paragraphs and a unified, coherent essay.

ENG 101	**Applied Communications I**	3	0	0	3

Prerequisite:
Corequisite:
This course is designed to enhance reading and writing skills for the workplace. Emphasis is placed on technical reading, job-related vocabulary, sentence writing, punctuation, and spelling. Upon completion, students should be able to identify main ideas with supporting details and produce mechanically correct short writings appropriate to the workplace. *This is a diploma-level course.*

ENG 111	**Expository Writing**	3	0	0	3

Prerequisite: ENG 090 and RED 090
Corequisite:
This course is the required first course in a series of two designed to develop the ability to produce clear expository prose. Emphasis is placed on the writing process including audience analysis, topic selection, thesis support and development, editing, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition.*

		Class	Lab	Clin.	Credit
ENG 112	**Argument-Based Research**	**3**	**0**	**0**	**3**

Prerequisite: ENG 111
Corequisite:
This course, the second in a series of two, introduces research techniques, documentation styles, and argumentative strategies. Emphasis is placed on analyzing data and incorporating research findings into documented argumentative essays and research projects. Upon completion, students should be able to summarize, paraphrase, interpret, and synthesize information from primary and secondary sources using standard research format and style. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition.*

ENG 113	**Literature-Based Research**	**3**	**0**	**0**	**3**

Prerequisite: ENG 111
Corequisite:
This course, the second in a series of two, expands the concepts developed in ENG 111 by focusing on writing that involves literature-based research and documentation. Emphasis is placed on critical reading and thinking and the analysis and interpretation of prose, poetry, and drama: plot, characterization, theme, cultural context, etc. Upon completion, students should be able to construct mechanically-sound, documented essays and research papers that analyze and respond to literary works. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition.*

ENG 114	**Professional Research & Reporting**	**3**	**0**	**0**	**3**

Prerequisite: ENG 111
Corequisite:
This course, the second in a series of two, is designed to teach professional communication skills. Emphasis is placed on research, listening, critical reading and thinking, analysis, interpretation, and design used in oral and written presentations. Upon completion, students should be able to work individually and collaboratively to produce well-designed business and professional written and oral presentations. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition.*

ENG 116	**Technical Report Writing**	**3**	**0**	**0**	**3**

Prerequisite: ENG 111
Corequisite:
This course, the second in a series of two, introduces layout and design of technical reports used in business and industry. Emphasis is placed on audience analysis, data collection and analysis,technical writing style and organization, oral presentation of technical data, and the appropriate use of graphics in written and oral presentations. Upon completion, students should be able to produce written and oral reports using a variety of technical communication models.

ENG 125	**Creative Writing I**	**3**	**0**	**0**	**3**

Prerequisite: ENG 111
Corequisite:
This course is designed to provide students with the opportunity to practice the art of creative writing. Emphasis is placed on writing, fiction, poetry, and sketches. Upon completion, students should be able to craft and critique their own writing and critique the writing of others. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

		Class	Lab	Clin.	Credit
ENG 126	**Creative Writing II**	3	0	0	3

Prerequisite: ENG 125
Corequisite:
This course is designed as a workshop approach for advancing imaginative and literary skills. Emphasis is placed on the discussion of style, techniques, and challenges for first publications. Upon completion, students should be able to submit a piece of their writing for publication. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

ENG 131	**Introduction to Literature**	3	0	0	3

Prerequisite: ENG 111
Corequisite: ENG 112 or ENG 114 or ENG 113
This course introduces the principal genres of literature. Emphasis is placed on literary terminology, devices, structure, and interpretation. Upon completion, students should be able to analyze and respond to literature. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ENG 231	**American Literature I**	3	0	0	3

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course covers selected works in American literature from its beginnings to 1865. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ENG 232	**American Literature II**	3	0	0	3

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course covers selected works in American literature from 1865 to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ENG 233	**Major American Writers**	3	0	0	3

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course provides an intensive study of the works of several major American authors. Emphasis is placed on American history, culture, and the literary merits. Upon completion, students should be able to interpret, analyze, and evaluate the works studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ENG 241	**British Literature I**	3	0	0	3

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course covers selected works in British literature from its beginnings to the Romantic Period. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

		Class	Lab	Clin.	Credit
ENG 242	**British Literature II**	**3**	**0**	**0**	**3**

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course covers selected works in British literature from the Romantic Period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ENG 243	**Major British Writers**	**3**	**0**	**0**	**3**

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course provides an intensive study of the works of several major British authors. Emphasis is placed on British history, culture, and the literary merits. Upon completion, students should be able to interpret, analyze, and evaluate the works studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ENG 251	**Western World Literature I**	**3**	**0**	**0**	**3**

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course provides a survey of selected European works from the Classical period through the Renaissance. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ENG 252	**Western World Literature II**	**3**	**0**	**0**	**3**

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course provides a survey of selected European works from the Neoclassical period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ENG 261	**World Literature I**	**3**	**0**	**0**	**3**

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course introduces selected works from the Pacific, Asia, Africa, Europe, and the Americas from their literary beginnings through the seventeenth century. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

ENG 262	**World Literature II**	**3**	**0**	**0**	**3**

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course introduces selected works from the Pacific, Asia, Africa, Europe, and the Americas from the eighteenth century to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

		Class	Lab	Clin.	Credit
ENG 272	**Southern Literature**	3	0	0	3

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course provides an analytical study of the works of several Southern authors. Emphasis is placed on the historical and cultural contexts, themes, aesthetic features of individual works, and biographical backgrounds of the authors. Upon completion, students should be able to interpret, analyze, and discuss selected works. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

ENG 273	**African-American Literature**	3	0	0	3

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course provides a survey of the development of African-American literature from its beginnings to the present. Emphasis is placed on historical and cultural context, themes, literary traditions, and backgrounds of the authors. Upon completion, students should be able to interpret, analyze, and respond to selected texts. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

ENG 274	**Literature by Women**	3	0	0	3

Prerequisite: ENG 112, ENG 113, or ENG 114
Corequisite:
This course provides an analytical study of the works of several women authors. Emphasis is placed on the historical and cultural contexts, themes and aesthetic features of individual works, and biographical backgrounds of the authors. Upon completion, students should be able to interpret, analyze, and discuss selected works. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

GEL 111	**Introductory Geology**	3	2	0	4

Prerequisites RED 090
Corequisite:
This course introduces basic landforms and geological processes. Topics include rocks, minerals, volcanoes, fluvial processes, geological history, plate tectonics, glaciers, and coastal dynamics. Upon completion, students should be able to describe basic geological processes that shape the earth. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

GEO 111	**World Regional Geography**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course introduces the regional concept which emphasizes the spatial association of people and their environment. Emphasis is placed on the physical, cultural, and economic systems that interact to produce the distinct regions of the earth. Upon completion, students should be able to describe variations in physical and cultural features of a region and demonstrate an understanding of their functional relationships. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

GEO 112	**Cultural Geography**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course is designed to explore the diversity of human cultures and to describe their shared characteristics. Emphasis is placed on the characteristics, distribution, and complexity of earth's cultural patterns. Upon completion, students should be able to demonstrate an understanding of the differences and similarities in human cultural groups. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

		Class	Lab	Clin.	Credit
GEO 130	**General Physical Geography**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces both the basic physical components that help shape the earth and the study of minerals, rocks, and evolution of landforms. Emphasis is placed on the geographic grid, cartography, weather, climate, mineral composition, fluvial processes, and erosion and deposition. Upon completion, students should be able to identify these components and processes and explain how they interact. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

HEA 110	**Personal Health/Wellness**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course provides an introduction to basic personal health and wellness. Emphasis is placed on current health issues such as nutrition, mental health, and fitness. Upon completion, students should be able to demonstrate an understanding of the factors necessary to the maintenance of health and wellness. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

HEA 112	**First Aid & CPR**	**1**	**2**	**0**	**2**

Prerequisite:
Corequisite:
This course introduces the basics of emergency first aid treatment. Topics include rescue breathing, CPR, first aid for choking and bleeding, and other first aid procedures. Upon completion, students should be able to demonstrate skills in providing emergency care for the sick and injured until medical help can be obtained. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

HIS 111	**World Civilizations I**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces world history from the dawn of civilization to the early modern era. Topics include Eurasian, African, American, and Greco-Roman civilizations and Christian, Islamic and Byzantine cultures. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in pre-modern world civilizations. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

HIS 112	**World Civilizations II**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces world history from the early modern era to the present. Topics include the cultures of Africa, Europe, India, China, Japan, and the Americas. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in modern world civilizations. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

HIS 115	**Introduction to Global History**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces the study of global history. Emphasis is placed on topics such as colonialism, industrialism, and nationalism. Upon completion, students should be able to analyze significant global historical issues. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

		Class	Lab	Clin.	Credit
HIS 121	**Western Civilization I**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces western civilization from pre-history to the early modern era. Topics include ancient Greece, Rome, and Christian institutions of the Middle Ages and the emergence of national monarchies in western Europe. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early western civilization. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

HIS 122	**Western Civilization II**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces western civilization from the early modern era to the present. Topics include the religious wars, the Industrial Revolution, World Wars I and II, and the Cold War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in modern western civilization. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

HIS 131	**American History I**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course is a survey of American history from pre-history through the Civil War era. Topics include the migrations to the Americas, the colonial and revolutionary periods, the development of the Republic, and the Civil War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early American history. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

HIS 132	**American History II**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course is a survey of American history from the Civil War era to the present. Topics include industrialization, immigration, the Great Depression, the major American wars, the Cold War, and social conflict. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in American history since the Civil War. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

HIS 141	**Genealogy & Local History**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course explores the role of the local or family historian. Emphasis is placed on historical or genealogical research techniques including a survey of local, state, and national archival resources. Upon completion, students should be able to conduct genealogical research and do a major research project on local or family history. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
HIS 162	**Women and History**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course surveys the experience of women in historical perspective. Topics include the experiences and contributions of women in culture, politics, economics, science, and religion. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural contributions of women in history. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

HIS 167	**The Vietnam War**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers the American political and military involvement in Vietnam from 1944 to 1975. Topics include the French colonial policy, Vietnamese nationalism, the war with France, American involvement, and resolution of the conflict. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments that influenced the Vietnam War. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

HIS 221	**African-American History**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers African-American history from the Colonial period to the present. Topics include African origins, the slave trade, the Civil War, Reconstruction, the Jim Crow era, the civil rights movement, and contributions of African Americans. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in the history of African Americans. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

HIS 227	**Native American History**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course surveys the history and cultures of Native Americans from pre-history to the present. Topics include Native American civilizations, relations with Europeans, and the continuing evolution of Native American cultures. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments among Native Americans. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

HIS 230	**The Changing South**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers major developments in the South from the Civil War era to the present. Topics include Reconstruction, the emergence of the New South, segregation, the Civil Rights movement, and current issues and challenges facing the South. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in the New South. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
HIS 233	**History of Appalachia**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course introduces the Appalachian region and its relationship to mainstream American history. Topics include regional settlement patterns and a study of Appalachian culture. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in Appalachia. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

HIS 234	**Cherokee History**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course is a survey of the history and culture of the Cherokees. Topics include origins, belief systems, contact and conflict with European settlers, removals, and contemporary problems faced by the Cherokees. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in Cherokee history. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

HIS 236	**North Carolina History**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course is a study of geographical, political, economic, and social conditions existing in North Carolina from America's discovery to the present. Topics include native and immigrant backgrounds; colonial, antebellum, and Reconstruction periods; party politics; race relations; and the transition from an agrarian to an industrial economy. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in North Carolina. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

HOR 112	**Landscape Design I**	2	3	0	3

Prerequisite:
Corequisite:
This course covers landscape principles and practices for residential and commercial sites. Emphasis is placed on drafting, site analysis, and common elements of good design, plant material selection, and proper plant utilization. Upon completion, students should be able to read, plan, and draft a landscape design.

HOR 114	**Landscape Construction**	2	2	0	3

Prerequisite:
Corequisite:
This course introduces the design and fabrication of landscape structures/features. Emphasis is placed on safety, tool identification and use, material selection, construction techniques, and fabrication. Upon completion, students should be able to design
and construct common landscape structures/features.

HOR 118	**Equipment Operations & Maint.**	1	3	0	2

Prerequisite:
Corequisite:
This course covers the proper operation and maintenance of selected equipment used in horticulture. Emphasis is placed on the maintenance, minor repairs, safety devices, and actual operation of selected equipment. Upon completion, students should be able to design a maintenance schedule, service equipment, and demonstrate safe operation of selected equipment.

		Class	Lab	Clin.	Credit
HOR 154	**Intro. to Horticulture Therapy**	**2**	**4**	**0**	**4**

Prerequisite:
Corequisite:
This course introduces the concept of horticulture therapy and how it can be applied to improve human well-being. Emphasis is placed on developing a horticulture therapy program, planning activities, and adjusting activities based on the age, disability, or need of the individual. Upon completion, students should be able to develop project ideas, write lesson plans, and lead informal classes using horticulture therapy techniques.

HOR 160	**Plant Materials I**	**2**	**2**	**0**	**3**

Prerequisite:
Corequisite:
This course covers identification, culture, characteristics, and use of plants. Emphasis is placed on nomenclature, identification, growth requirements, cultural requirements, soil preferences, and landscape applications. Upon completion, students should be able to demonstrate knowledge of the proper selection and utilization of plant materials.

HOR 162	**Applied Plant Science**	**2**	**2**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces the basic concepts of botany as they apply to horticulture. Topics include nomenclature, physiology, morphology, and anatomy as they apply to plant culture. Upon completion, students should be able to apply the basic principles of botany to horticulture.

HOR 164	**Horticulture Pest Management**	**2**	**2**	**0**	**3**

Prerequisite: RED 090 and MAT 070
Corequisite:
This course covers the identification and control of plant pests including insects, diseases, and weeds. Topics include pest identification and chemical regulations, safety, and pesticide application. Upon completion, students should be able to meet the requirements for North Carolina Commercial Pesticide Ground Applicators license.

HOR 166	**Soils & Fertilizers**	**2**	**2**	**0**	**3**

Prerequisite:
Corequisite:
This course covers the physical and chemical properties of soils and soil fertility and management. Topics include soil formation, classification, physical and chemical properties, testing, fertilizer application, and other amendments. Upon completion, students should be able to analyze, evaluate, and properly amend soils/media.

HOR 168	**Plant Propagation**	**2**	**2**	**0**	**3**

Prerequisite:
Corequisite:
This course is a study of sexual and asexual reproduction of plants. Emphasis is placed on seed propagation, grafting, stem and root propagation, micro-propagation, and other propagation techniques. Upon completion, students should be able to successfully propagate ornamental plants.

HOR 170	**Horticulture Computer Apps**	**1**	**3**	**0**	**2**

Prerequisite:
Corequisite:
This course introduces computer programs as they apply to the horticulture industry. Emphasis is placed on applications of software for plant identification, design, and irrigation. Upon completion, students should be able to use computer programs in horticultural situations.

		Class	Lab	Clin.	Credit
HOR 213	**Landscape Design II**	2	2	0	3

Prerequisite: HOR 112
Corequisite:
This course covers residential and commercial landscape design, cost analysis, and installation. Emphasis is placed on job cost estimates, installation of the landscape design, and maintenance techniques. Upon completion, students should be able to read landscape design blueprints, develop cost estimates, and implement the design.

HOR 225	**Nursery Production**	2	3	0	3

Prerequisite:
Corequisite:
This course covers all aspects of nursery crop production. Emphasis is placed on field production and covers soils, nutrition, irrigation, pest control and harvesting. Upon completion, students should be able to produce a marketable nursery crop.

HOR 235	**Greenhouse Production**	2	2	0	3

Prerequisite:
Corequisite:
This course covers the production of greenhouse crops. Emphasis is placed on product selection and production based on market needs and facility availability, including record keeping. Upon completion, students should be able to select and make production schedules to successfully produce greenhouse crops.

HOR 245	**Horiculture Specialty Crops**	2	2	0	3

Prerequisite:
Corequisite:
This course introduces the techniques and requirements for the production of horticultural crops of special or local interest. Topics include development of a local market, proper varietal selection, cultural practices, site selection, and harvesting and marketing practices. Upon completion, students should be able to choose, grow, and market a horticultural crop of special or local interest.

HOR 251	**Insects & Diseases**	2	2	0	3

Prerequisite:
Corequisite:
This course introduces insects and diseases of economic importance to horticultural crops. Topics include insect life cycles and identifying characteristics; plant diseases, including their signs and symptoms; control methods; and insect scouting for IPM. Upon completion, students should be able to demonstrate an understanding of insect and disease identification, collection, and control.

HOR 255	**Interiorscapes**	1	2	0	2

Prerequisite:
Corequisite:
This course covers plant selection, design, and management for interior settings. Topics include tropical plant identification, cultural requirements, insect and disease identification and control, and design and management requirements for interior plants. Upon completion, students should be able to design, install, and manage plants in interior settings.

HOR 257	**Arboriculture Practices**	1	3	0	2

Prerequisite: HOR 160
Corequisite:
This course covers the culture and maintenance of trees and shrubs. Topics include fertilization, pruning, approved climbing techniques, pest control, and equipment use and safety. Upon completion, students should be able to properly prune trees and shrubs and perform arboricultural practices.

		Class	Lab	Clin.	Credit
HOR 260	**Plant Materials II**	**2**	**2**	**0**	**3**

Prerequisite:
Corequisite:
This course covers important landscape plants. Emphasis is placed on identification, plant nomenclature, growth characteristics, culture requirements, and landscape uses. Upon completion, students should be able to demonstrate knowledge of the proper selection and utilization of plant materials.

HOR 273	**Horticulture Mgmt. & Marketing**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course covers the steps involved in starting or managing a horticultural business. Topics include financing, regulations, market analysis, employer/employee relations, formulation of business plans, and operational procedures in a horticultural business. Upon completion, students should be able to assume ownership or management of a horticultural business.

HUM 110	**Technology and Society**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course considers technological change from historical, artistic, and philosophical perspectives and its effect on human needs and concerns. Emphasis is placed on the causes and consequences of technological change. Upon completion, students should be able to critically evaluate the implications of technology. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

HUM 120	**Cultural Studies**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces the distinctive features of a particular culture. Topics include art, history, music, literature, politics, philosophy, and religion. Upon completion, students should be able to appreciate the unique character of the study culture. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

HUM 121	**The Nature of America**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course provides an interdisciplinary survey of the American cultural, social, and political experience. Emphasis is placed on the multicultural character of American society, distinctive qualities of various regions, and the American political system. Upon completion, students should be able to analyze significant cultural, social, and political aspects of American life. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

HUM 122	**Southern Culture**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course explores the major qualities that make the South a distinct region. Topics include music, politics, literature, art, religion, race relations, and the role of social class in historical and contemporary contexts. Upon completion, students should be able to identify the characteristics that distinguish Southern culture. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

		Class	Lab	Clin.	Credit
HUM 123	**Appalachian Culture**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course provides an interdisciplinary study of the unique features of Appalachian culture. Topics include historical, political, sociological, psychological, and artistic features which distinguish this region. Upon completion, students should be able to demonstrate a broad-based awareness and appreciation of Appalachian culture. This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.

HUM 130	**Myth in Human Culture**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course provides an in-depth study of myths and legends. Topics include the varied sources of myths and their influence on the individual and society within diverse cultural contexts. Upon completion, students should be able to demonstrate a general familiarity with myths and a broad-based understanding of the influence of myths and legends on modern culture. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

HUM 150	**American Women's Studies**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course provides an inter-disciplinary study of the history, literature, and social roles of American women from Colonial times to the present. Emphasis is placed on women's roles as reflected in American language usage, education, law, the workplace, and mainstream culture. Upon completion, students should be able to identify and analyze the roles of women as reflected in various cultural forms. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

HUM 160	**Introduction to Film**	2	2	0	3

Prerequisite: RED 090
Corequisite:
This course introduces the fundamental elements of film artistry and production. Topics include film styles, history, and production techniques, as well as the social values reflected in film art. Upon completion, students should be able to critically analyze the elements covered in relation to selected films. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

HUM 170	**The Holocaust**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course provides a survey of the destruction of European Jewry by the Nazis during World War II. Topics include the anti-Semitic ideology, bureaucratic structures, and varying conditions of European occupation and domination under the Third Reich. Upon completion, students should be able to demonstrate an understanding of the historical, social, religious, political, and economic factors which cumulatively resulted in the Holocaust. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
HUM 211	**Humanities I**	3	0	0	3

Prerequisite: ENG 111
Corequisite:
This course introduces the humanities as a record in literature, music, art, history, religion, and philosophy of humankind's answers to the fundamental questions of existence. Emphasis is placed on the interconnectedness of various aspects of cultures from ancient through early modern times. Upon completion, students should be able to identify significant figures and cultural contributions of the periods studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

HUM 212	**Humanities II**	3	0	0	3

Prerequisite: ENG 111
Corequisite:
This course introduces the humanities as a record in literature, music, art, history, religion, and philosophy of humankind's answers to the fundamental questions of existence. Emphasis is placed on the interconnectedness of various aspects of cultures from early modern times to the present. Upon completion, students should be able to identify significant figures and cultural contributions of the periods studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

HUM 220	**Human Values and Meaning**	3	0	0	3

Prerequisite: ENG 111
Corequisite:
This course presents some major dimensions of human experience as reflected in art, music, literature, philosophy, and history. Topics include the search for identity, the quest for knowledge, the need for love, the individual and society, and the meaning of life. Upon completion, students should be able to recognize interdisciplinary connections and distinguish between open and closed questions and between narrative and scientific models of understanding. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

HUM 230	**Leadership Development**	3	0	0	3

Prerequisite: ENG 111
Corequisite:
This course explores the theories and techniques of leadership and group process. Emphasis is placed on leadership styles, theories of group dynamics, and the moral and ethical responsibilities of leadership. Upon completion, students should be able to identify and analyze a personal philosophy and style of leadership and integrate these concepts in various practical situations.

HYD 110	**Hydraulics/Pneumatics I**	2	3	0	3

Prerequisite:
Corequisite:
This course introduces the basic components and functions of hydraulic and pneumatic systems. Topics include standard symbols, pumps, control valves, control assemblies, actuators, FRL, maintenance procedures, and switching and control devices. Upon completion, students should be able to understand the operation of a fluid power system, including design, application, and troubleshooting.

		Class	Lab	Clin.	Credit
MAS 110	**Masonry I**	5	15	0	10

Prerequisite:
Corequisite:
This course introduces the basic principles of construction with masonry units. Topics include history of the masonry field, safety practices, blueprint reading, and principles of laying masonry units to the line using tools, equipment, and materials. Upon completion, students should be able to demonstrate knowledge of safety practices, blueprint reading, and basic tool use; identify materials; operate machinery; and lay masonry units.

MAS 120	**Masonry II**	5	15	0	10

Prerequisite:
Corequisite:
This course provides practical experience in cost estimating, foundations, bonding variations, expansion joints, wall ties, building codes, and other related topics. Emphasis is placed on material estimation, layout of footing, construction of walls, reinforcements, scaffolding, insulating, and building codes. Upon completion, students should be able to determine cost, plan sound building procedures, construct masonry projects, and apply building codes.

MAS 130	**Masonry III**	6	6	0	8

Prerequisite:
Corequisite:
This course provides fundamentals and skills used in masonry construction. Emphasis is placed on building chimneys, fireplaces, columns, concrete masonry, and arches; using materials economically; satisfying needs and expectations; and proper work ethics. Upon completion, students should be able to build structures covered in the course, demonstrate increased speed and accuracy, and make smooth transitions between construction stages.

MAS 140	**Intro to Masonry**	1	2	0	2

Prerequisite:
Corequisite:
This course introduces basic principles and practices of masonry. Topics include standard tools, materials, and practices used in basic masonry and other related topics. Upon completion, students should be able to demonstrate an understanding of masonry and be able to use basic masonry techniques.

MAS 170	**Masonry Technology Management**	1	2	0	2

Prerequisite:
Corequisite: MAS 130
This course extends the concepts covered in the masonry curriculum. Topics include ornamental material applications, job site safety, site management: including environmental impact, employee supervision, and job cost management. Upon completion, students should be able to demonstrate advanced installation skills, as well as analyze and implement various management requirements.

MAS 193	**Selected Topics in Masonry**	1	6	0	3

Prerequisite:
Corequisite:
This course provides an opportunity to explore areas of current interest in specific or program discipline areas. Emphasis is placed on subject matter appropriate to the program or discipline. Upon completion, students should be able to demonstrate an understanding of the specific area of study. This course provides information on footing, foundations and concrete.

		Class	Lab	Clin.	Credit
MAT 050	**Basic Math Skills**	3	2	0	4

Prerequisite:
Corequisite:
This course is designed to strengthen basic math skills. Topics include properties, rounding, estimating, comparing, converting, and computing whole numbers, fractions, and decimals. Upon completion, students should be able to perform basic computations and solve relevant mathematical problems. This course will be taught through the Learning Lab at no cost to the student.

MAT 060	**Essential Mathematics**	3	2	0	4

Prerequisite: MAT 050
Corequisite:
This course is a comprehensive study of mathematical skills which should provide a strong mathematical foundation to pursue further study. Topics include principles and applications of decimals, fractions, percents, ratio and proportion, order of operations, geometry, measurement, and elements of algebra and statistics. Upon completion, students should be able to perform basic computations and solve relevant, multi-step mathematical problems using technology where appropriate.

MAT 070	**Introductory Algebra**	3	2	0	4

Prerequisite: MAT 060
Corequisite: RED 080
This course establishes a foundation in algebraic concepts and problem solving. Topics include signed numbers, exponents, order of operations, simplifying expressions, solving linear equations and inequalities, graphing, formulas, polynomials, factoring, and elements of geometry. Upon completion, students should be able to apply the above concepts in problem solving using appropriate technology.

MAT 080	**Intermediate Algebra**	3	2	0	4

Prerequisite: MAT 070
Corequisite: RED 080
This course continues the study of algebraic concepts with emphasis on applications. Topics include factoring; rational expressions; rational exponents; rational, radical, and quadratic equations; systems of equations; inequalities; graphing; functions; variations; complex numbers; and elements of geometry. Upon completion, students should be able to apply the above concepts in problem solving using appropriate technology.

MAT 101	**Applied Mathematics I**	2	2	0	3

Prerequisite: MAT 060
Corequisite:
This course is a comprehensive review of arithmetic with basic algebra designed to meet the needs of certificate and diploma programs. Topics include arithmetic and geometric skills used in measurement, ratio and proportion, exponents and roots, applications of percent, linear equations, formulas, and statistics. Upon completion, students should be able to solve practical problems in their specific areas of study. *This course is intended for certificate and diploma programs.*

MAT 102	**Applied Mathematics II**	2	2	0	3

Prerequisite: MAT 101
Corequisite:
This course introduces the concepts of right triangle trigonometry and geometry with emphasis on applications to problem solving. Topics include the basic definitions and properties of plane and solid geometry, area and volume, and right triangle trigonometry. Upon completion, students should be able to solve applied problems both independently and collaboratively. *This course is intended for certificate and diploma programs.*

		Class	Lab	Clin.	Credit
MAT 115	**Mathematical Models**	2	2	0	3

Prerequisite: MAT 070
Corequisite:
This course develops the ability to utilize mathematical skills and technology to solve problems at a level found in non-mathematics-intensive programs. Topics include applications to percent, ratio and proportion, formulas, statistics, functional notation, linear functions and their groups, probability, sampling techniques, scatter plots, and modeling. Upon completion, students should be able to solve practical problems, reason and communicate with mathematics, and work confidently, collaboratively, and independently.

MAT 120	**Geometry and Trigonometry**	2	2	0	3

Prerequisite: MAT 070
Corequisite:
This course introduces the concepts of plane trigonometry and geometry with emphasis on applications to problem solving. Topics include the basic definitions and properties of plane and solid geometry, area and volume, right triangle trigonometry, and oblique triangles. Upon completion, students should be able to solve applied problems both independently and collaboratively using technology.

MAT 140	**Survey of Mathematics**	3	0	0	3

Prerequisite: MAT 070
Corequisite: MAT 140A
This course provides an introduction in a non-technical setting to selected topics in mathematics. Topics include, but are not limited to, sets, logic, probability, statistics, matrices, mathematical systems, geometry, topology, mathematics of finance, and modeling. Upon completion, students should be able to understand a variety of mathematical applications, think logically, and be able to work collaboratively and independently. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

MAT 140A	**Survey of Mathematics Lab**	0	2	0	1

Prerequisite: MAT 070
Corequisite: MAT 140
This course is a laboratory for MAT 140. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

MAT 151	**Statistics I**	3	0	0	3

Prerequisite: MAT 080
Corequisite: RED 080 and MAT 151A
This course provides a project-based approach to the study of basic probability, descriptive and inferential statistics, and decision making. Emphasis is placed on measures of central tendency and dispersion, correlation, regression, discrete and continuous probability distributions, quality control, population parameter estimation, and hypothesis testing. Upon completion, students should be able to describe important characteristics of a set of data and draw inferences about a population from sample data. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

		Class	Lab	Clin.	Credit
MAT 151A	**Statistics I Lab**	**0**	**2**	**0**	**1**

Prerequisite: MAT 080
Corequisite: MAT 151

This course is a laboratory for MAT 151. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. This course *has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

MAT 161	**College Algebra**	**3**	**0**	**0**	**3**

Prerequisite: MAT 080 or MAT 090
Corequisite: MAT 161A

This course provides an integrated technological approach to algebraic topics used in problem solving. Emphasis is placed on applications involving equations and inequalities, polynomials, rational, exponential and logarithmic functions; and graphing and data analysis/modeling. Upon completion, students should be able to choose an appropriate model to fit a data set and use the model for analysis and prediction. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics for an AA degree.*

MAT 161A	**College Algebra Lab**	**0**	**2**	**0**	**1**

Prerequisite: MAT 080 or MAT 090
Corequisite: MAT 161

This course is a laboratory for MAT 161. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

MAT 162	**College Trigonometry**	**3**	**0**	**0**	**3**

Prerequisite: MAT 161
Corequisite:

This course provides an integrated technological approach to trigonometric applications used in problem solving. Emphasis is placed on applications involving trigonometric ratios, right triangles, oblique triangles, trigonometric functions, graphing vectors, and complex numbers. Upon completion, students should be able to apply the above principles of trigonometry to problem solving and communication. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics for the AA degree.*

MAT 165	**Finite Mathematics**	**3**	**0**	**0**	**3**

Prerequisite: MAT 161
Corequisite:

This course provides topics used to formulate models and to solve and interpret solutions using an algorithmic approach. Topics include linear algebra, linear programming, simplex method, sets and counting, probability, mathematics of finance, and logic. Upon completion, students should be able to demonstrate both an understanding of the theoretical concepts of finite mathematics and the ability to solve related problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

		Class	Lab	Clin.	Credit
MAT 171	**Precalculus Algebra**	3	0	0	3

Prerequisite: MAT 080
Corequisite: RED 080

This is the first of two courses designed to emphasize topics which are fundamental to the study of calculus. Emphasis is placed on equations and inequalities, functions (linear, polynomial, rational), systems of equations and inequalities, and parametric equations. Upon completion, students should be able to solve practical problems and use appropriate models for analysis and predictions. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

MAT 172	**Precalculus Trigonometry**	3	0	0	3

Prerequisite: MAT 171
Corequisite:

This is the second of two courses designed to emphasize topics which are fundamental to the study of calculus. Emphasis is placed on properties and applications of transcendental functions and their graphs, right and oblique triangle trigonometry, conic sections, vectors and polar coordinates. Upon completion, students should be able to solve practical problems and use appropriate models for analysis and prediction. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

MAT 175	**Precalculus**	4	0	0	4

Prerequisite:
Corequisite: MAT 175A

This course provides an intense study of the topics which are fundamental to the study of calculus. Emphasis is placed on functions and their graphs with special attention to polynomial, rational, exponential, logarithmic and trigonometric functions, and analytic trigonometry. Upon completion, students should be able to solve practical problems and use appropriate models for analysis and prediction. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

MAT 175A	**Precalculus Lab**	0	2	0	1

Prerequisite:
Corequisite: MAT 175

This course is a laboratory for MAT 175. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

MAT 263	**Brief Calculus**	3	0	0	3

Prerequisite: MAT 161
Corequisite:

This course introduces concepts of differentiation and integration and their applications to solving problems; the course is designed for students needing one semester of calculus. Topics include functions, graphing, differentiation, and integration with emphasis on applications drawn from business, economics, and biological and behavioral sciences. Upon completion, students should be able to demonstrate an understanding of the use of basic calculus and technology to solve problems and to analyze and communicate results. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

		Class	Lab	Clin.	Credit
MAT 271	**Calculus I**	**3**	**2**	**0**	**4**

Prerequisite: MAT 172 or MAT 175
Corequisite:
This course covers in depth the differential calculus portion of a three-course calculus sequence. Topics include limits, continuity, derivatives, and integrals of algebraic and transcendental functions of one variable, with applications. Upon completion, students should be able to apply differentiation and integration techniques to algebraic and transcendental functions. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

MAT 272	**Calculus II**	**3**	**2**	**0**	**4**

Prerequisite: MAT 271
Corequisite:
This course provides a rigorous treatment of integration and is the second calculus course in a three-course sequence. Topics include applications of definite integrals, techniques of integration, indeterminate forms, improper integrals, infinite series, conic sections, parametric equations, polar coordinates, and differential equations. Upon completion, students should be able to use integration and approximation techniques to solve application problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

MAT 273	**Calculus III**	**3**	**2**	**0**	**4**

Prerequisite: MAT 272
Corequisite:
This course covers the calculus of several variables and is the third calculus course in a three-course sequence. Topics include functions of several variables, partial derivatives, multiple integrals, solid analytical geometry, vector-valued functions, and line and surface integrals. Upon completion, students should be able to solve problems involving vectors and functions of several variables. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

MEC 111	**Machine Processes I**	**2**	**3**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces safety, and tolls, machine processes, measuring instruments, and the operation of machine shop equipment. Topics include safety, measuring tools, and the basic setup and operation of lathes, milling machines, drill presses, and saws. Upon completion, students should be able to manufacture a simple part to a specified tolerance.

MKT 120	**Principles of Marketing**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces principles and problems of marketing goods and services. Topics include promotion, placement, and pricing strategies for products. Upon completion, students should be able to apply marketing principles in organizational decision making.

MNT 110	**Intro. to Maintenance Procedures**	**1**	**3**	**0**	**2**

Prerequisite:
Corequisite:
This course covers basic maintenance fundamentals for power transmission equipment. Topics include equipment inspection, lubrication, alignment, and other schedules maintenance procedures. Upon completion, students should be able to demonstrate knowledge of accepted maintenance procedures and practices according to current industry standards.

		Class	Lab	Clin.	Credit
MNT 240	**Industrial Equip. Troubleshooting**	**1**	**3**	**0**	**2**

Prerequisite: ELC 112 or ELC 131
Corequisite:
This course covers the various service procedures, tools, instruments, and equipment necessary to analyze and repair typical industrial equipment. Emphasis is placed on electro-mechanical and fluid power equipment troubleshooting and repair, including common techniques and procedures. Upon completion, students should be able to troubleshoot and repair industrial equipment.

MUS 110	**Music Appreciation**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course is a basic survey of the music of the Western world. Emphasis is placed on the elements of music, terminology, composers, form, and style within a historical perspective. Upon completion, students should be able to demonstrate skills in basic listening and understanding of the art of music. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

MUS 112	**Introduction to Jazz**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces the origins and musical components of jazz and the contributions of its major artists. Emphasis is placed on the development of discriminating listening habits, as well as the investigation of the styles and structural forms of the jazz idiom. Upon completion, students should be able to demonstrate skills in listening and understanding this form of American music. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

MUS 113	**American Music**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces various musical styles, influences, and composers of the United States from pre-Colonial times to the present. Emphasis is placed on the broad variety of music particular to American culture. Upon completion, students should be able to demonstrate skills in basic listening and understanding of American music. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

NAS 101	**Nursing Assistant I**	**3**	**2**	**3**	**5**

Prerequisite:
Corequisite:
This course introduces basic nursing skills required to provide personal care for patients, residents, or clients in a health care setting. Topics include communications, safety, patients' rights, personal care, vital signs, elimination, nutrition, emergencies, rehabilitation, and mental health. Upon completion, students should be able to demonstrate skills necessary to qualify as a Nursing Assistant I with the North Carolina Nurse Aide I Registry. *This is a certificate-level course.*

NAS 102	**Nursing Assistant II**	**3**	**2**	**6**	**6**

Prerequisite: High school diploma or GED and currently listed as NA I with State of North Carolina
Corequisite:
This course provides training in selected advanced nursing assistant procedures. Emphasis is placed on sterile techniques, respiratory procedures, catheterizations, wound and trach care, irrigations, and ostomy care. Upon completion, students should be able to demonstrate skills necessary to qualify as a Nursing Assistant II with the North Carolina Board of Nursing. *This is a certificate-level course.*

		Class	Lab	Clin.	Credit
NAS 103	**Home Health Care**	**2**	**0**	**0**	**2**

Prerequisite: NAS 101
Corequisite:
This course covers basic health issues that affect clients in the home setting. Emphasis is placed on home safety, recognizing significant changes in the client's condition, family dynamics, and use of home health care equipment. Upon completion, students should be able to identify care for clients at home. *This is a certificate-level course.*

NET 110	**Data Communications/Networking**	**2**	**2**	**0**	**3**

Prerequisite: CIS 110
Corequisite:
This course introduces data communication and networking. Topics include telecommunication standards, protocols, equipment, network topologies, communication software, LANs, WANs, the Internet, and network operating systems. Upon completion, students should be able to demonstrate understanding of the fundamentals of telecommunication and networking.

NET 125	**Routing and Switching I**	**1**	**4**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces the OSI model, network topologies, IP addressing, and subnet masks, simple routing techniques, and basic switching terminology. Topics include the basic functions of the seven layers of the OSI model, different classes of IP addressing and subnetting, router login scripts. Upon completion, students should be able to list the key internetworking functions of the OSI Networking Layer and how they are performed in a variety of router types.

NET 126	**Routing and Switching II**	**1**	**4**	**0**	**3**

Prerequisite: NET 125
Corequisite:
This course introduces router configurations, router protocols, switching methods, and hub terminology. Topics include the basic flow control methods, router startup commands, manipulation of router configuration files, IP and data link addressing. Upon completion, students should be able to prepare the initial router configuration files, as well as enable, verify, and configure IP addresses.

NET 225	**Advanced Router & Switching I**	**1**	**4**	**0**	**3**

Prerequisite: NET 126
Corequisite:
This course introduces advanced router configuration, advanced LAN switching theory and design, VLANs, Novell IPX, and threaded case studies. Topics include router elements and operations, adding routing protocols to a configuration, monitoring IPX operations on the router, LAN segmentation, and advanced switching methods. Upon completion students should be able to describe LAN and network segmentation with bridges, routers and switches and describe a virtual LAN.

NET 226	**Advanced Router & Switching II**	**1**	**4**	**0**	**3**

Prerequisites NET 225
Corequisite:
This course introduces WAN theory and design, WAN technology, PPP, Frame Relay, ISDN, and additional case studies. Topics include network congestion problems, TCP/IP transport and network layer protocols, advanced routing and switching configuration, ISDN protocols, PPP encapsulation operations on a router. Upon completion, students should be able to provide solutions for network routing problems, identify ISDN protocols, channels, and function groups, describe the Spanning Tree protocol.

		Class	Lab	Clin.	Credit
NUR 115	**Fundamentals of Nursing**	2	3	6	5

Prerequisite: Admission to the Associate Degree Nursing program
Corequisite: ACA 111, BIO 165, PSY 110, NUR 118, CIS 110 or CIS 111

This course introduces concepts basic to beginning nursing practice. Emphasis is placed on the application of the nursing process to provide and manage care as a member of the discipline of nursing. Upon completion, students should be able to demonstrate beginning competence in caring for individuals with common alterations of health. Theory and procedures related to basic human needs are taught, demonstrated and practiced in class, nursing skills laboratory, and in area health care facilities.

NUR 116	**Nursing of Older Adults**	2	3	3	4

Prerequisite: NUR 185, ENG 111
Corequisite: NUR 125

This course provides an opportunity to utilize the provider of care and manager of care roles to meet nursing needs of older adults in a variety of settings. Emphasis is placed on the aging process as it applies to normal developmental changes and alterations in health commonly occurring in the older adult. Upon completion, students should be able to apply the nursing process in caring for the older adult.

NUR 117	**Pharmacology**	1	3	0	2

Prerequisite: NUR 115, NUR 118
Corequisite: NUR 135, NUR 133, BIO 166

This course introduces information concerning sources, effects, legalities, and the safe use of medications as therapeutic agents. Emphasis is placed on nursing responsibility, accountability, and application of the nursing process regarding drug therapy. Upon completion, students should be able to compute dosages and administer medication safely. Pharmacological properties of medications in each classification are emphasized.

NUR 118	**Nutrition/Diet Therapy**	2	0	0	2

Prerequisite: Admission to the Associate Nursing Program
Corequisite: NUR 115

This course covers the six nutrient categories and provides an overview of diet recommendations for promotion and maintenance of health. Topics include the food pyramid recommendations for individuals across the life span, energy balance, and special dietary modifications for common alterations in health. Upon completion, students should be able to complete a nutritional assessment, analyze diets, and recommend dietary adaptations to meet individual health needs. Students relate their diets to the standards presented.

NUR 125	**Maternal-Child Nursing**	5	3	6	8

Prerequisite: NUR 185, ENG 111, NUR 115
Corequisite: NUR 116

This course introduces nursing concepts related to the delivery of nursing care for the expanding family. Emphasis is placed on utilizing the nursing process as a framework for managing/providing nursing care to individuals and families along the wellness-illness continuum. Upon completion, students should be able to utilize the nursing process to deliver nursing care to mothers, infants, children, and families.

		Class	Lab	Clin.	Credit
NUR 133	**Nursing Assessment**	**2**	**3**	**0**	**3**

Prerequisite: NUR 115, NUR 118
Corequisite: NUR 135, NUR 117, BIO 166

This course provides theory and application experience for performing nursing assessment of individuals across the life span. Emphasis is placed on interviewing and physical assessment techniques and documentation of findings appropriate for nursing. Upon completion, students should be able to complete a health history and perform a noninvasive physical assessment. Emphasis is placed on well clients with the identification and prioritization of some deviations from the normal upon which to base nursing diagnoses.

NUR 135	**Adult Nursing I**	**5**	**3**	**9**	**9**

Prerequisite: NUR 115, NUR 118
Corequisite: BIO 166, NUR 117, NUR 133

This course introduces concepts related to the nursing care of individuals experiencing acute and chronic alterations in health. Emphasis is placed on utilizing the nursing process as a framework for providing and managing nursing care to individuals along the wellness-illness continuum. Upon completion, students should be able to apply the nursing process to individuals experiencing acute and chronic alterations in health.

NUR 185	**Mental Health Nursing**	**3**	**0**	**6**	**5**

Prerequisite: NUR 135, NUR 117, NUR 133, NUR 115 or NUR 189
Corequisite: ENG 111

This course includes concepts related to the nursing care of individuals experiencing alterations in social and psychological functioning. Emphasis is placed on utilizing the nursing process to provide and manage nursing care for individuals with common psychiatric disorders or mental health needs. Upon completion, students should be able to apply psychosocial theories in the nursing care of individuals with psychiatric/mental health needs. Therapeutic use of self, utilization of effective communication techniques and the role of the nurse in providing client care in health care settings is emphasized.

NUR 188	**Nursing in the Community**	**1**	**0**	**6**	**3**

Prerequisite: NUR 125, NUR 115, NUR 116
Corequisite: NUR 235, COM 110

This course is designed to introduce basic concepts and practices of community-based nursing. Emphasis is placed on roles and functions of nurses as members of interdisciplinary teams in the community and utilization of the nursing process to meet the needs or problems of individuals and groups in the community. Upon completion, students should be able to provide nursing care to individuals and/or groups in community-based settings.

NUR 189	**Nursing Transition**	**1**	**3**	**0**	**2**

Prerequisite: BIO 165, PSY 110, CIS 110 or CIS 111, PN Licensure, or permission of instructor
Corequisite: ACA 111, BIO 166

This course is designed to assist the licensed practical nurse in transition to the role of the associate degree nurse. Topics include the role of the registered nurse, nursing process, homeostasis, and validation of selected nursing skills and physical assessment. Upon completion, students should be able to articulate into the ADN program at the level of the generic student.

		Class	Lab	Clin.	Credit
NUR 235	**Adult Nursing II**	4	3	15	10

Prerequisite: NUR 116, NUR 125, NUR 135
Corequisite: COM 110, NUR 188

This course provides expanded concepts related to nursing care for individuals experiencing common complex alterations in health. Emphasis is placed on the nurse's role as a member of a multidisciplinary team and as a manager of care for a group of individuals. Upon completion, students should be able to provide comprehensive nursing care for groups of individuals with common complex alterations in health.

OST 080	**Keyboarding Literacy**	1	2	0	2

Prerequisite:
Corequisite:

This course is designed to develop elementary keyboarding skills. Emphasis is placed on mastery of the keyboard. Upon completion, students should be able to demonstrate basic proficiency in keyboarding.

OST 122	**Office Computations**	1	2	0	2

Prerequisite: MAT 060
Corequisite:

This course introduces the keypad and the touch method using the electronic calculator. Topics include mathematical functions in business applications. Upon completion, students should be able to use the electronic calculator to solve a wide variety of problems commonly encountered in business.

OST 134	**Text Entry and Formatting**	2	2	0	3

Prerequisite: OST 080
Corequisite:

This course is designed to provide the skills needed to increase speed, improve accuracy, and format documents. Topics include letters, memos, tables, and business reports. Upon completion, students should be able to produce mailable documents and key timed writings at speeds commensurate with employability.

OST 136	**Word Processing**	1	2	0	2

Prerequisite: OST 080 and CIS 110 or CIS 111
Corequisite:

This course introduces word processing concepts and applications. Topics include preparation of a variety of documents and mastery of specialized software functions. Upon completion, students should be able to work effectively in a computerized word processing environment.

OST 141	**Medical Terms I-Medical Office**	3	0	0	3

Prerequisite:
Corequisite:

This course uses a language-structure approach to present the terminology and vocabulary that will be encountered in medical office settings. Topics include word parts that relate to systemic components, conditions, pathology, and disorder remediation in approximately one-half of the systems of the human body. Upon completion, students should be able to relate words to systems, pluralize, define, pronounce, and construct sentences with the included terms.

		Class	Lab	Clin.	Credit
OST 142	**Medical Terms II-Medical Office**	**3**	**0**	**0**	**3**

Prerequisite: OST 141
Corequisite:
This course is a continuation of OST 141 and continues the study, using a language-structure approach, of medical office terminology and vocabulary. Topics include word parts that relate to systemic components, conditions, pathology, and disorder remediation in the remaining systems of the human body. Upon completion, students should be able to relate words to systems, pluralize, define, pronounce, and construct sentences with the included terms.

OST 148	**Medical Coding Billing & Insurance**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces CPT and ICD coding as they apply to medical insurance and billing. Emphasis is placed on accuracy in coding, forms preparation, and posting. Upon completion, students should be able to describe the steps of the total billing cycle and explain the importance of accuracy.

OST 149	**Medical Legal Issues**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces the complex legal, moral, and ethical issues involved in providing health-care services. Emphasis is placed on the legal requirements of medical practices; the relationship of physician, patient, and office personnel; professional liabilities; and medical practice liability. Upon completion, students should be able to demonstrate a working knowledge of current medical law and accepted ethical behavior.

OST 164	**Text Editing Applications**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course provides a comprehensive study of editing skills needed in the workplace. Emphasis is placed on grammar, punctuation, sentence structure, proofreading, and editing. Upon completion, students should be able to use reference materials to compose and edit text.

OST 181	**Intro to Office Systems**	**2**	**2**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces the skills and abilities needed in today's office. Topics include effectively interacting with co-workers and the public, processing simple financial and informational documents, and performing functions typical of today's offices. Upon completion, students should be able to display skills and decision-making abilities essential for functioning in the total office context.

OST 184	**Records Management**	**1**	**2**	**0**	**2**

Prerequisite:
Corequisite:
This course includes the creation, maintenance, protection, security, and disposition of records stored in a variety of media forms. Topics include alphabetic, geographic, subject, and numeric filing methods. Upon completion, students should be able to set up and maintain a records management system.

OST 233	**Office Publications Design**	**2**	**2**	**0**	**3**

Prerequisite: OST 136
Corequisite:
This course provides entry-level skills in using software with desktop publishing capabilities. Topics include principles of page layout, desktop publishing terminology and applications, and legal and ethical considerations of software use. Upon completion, students should be able to design and produce professional business documents and publications.

		Class	Lab	Clin.	Credit
OST 236	**Adv. Word/Info. Processing**	2	2	0	3

Prerequisite: OST 136
Corequisite:
This course develops proficiency in the utilization of advanced word/information processing functions. Topics include tables, graphics, macros, sorting, document assembly, merging, and newspaper and brochure columns. Upon completion, students should be able to produce a variety of complex business documents.

OST 241	**Medical Office Transcription I**	1	2	0	2

Prerequisite: OST 136 and OST 141
Corequisite:
This course introduces machine transcription techniques as applied to medical documents. Emphasis is placed on accurate transcription, proofreading, and use of reference materials as well as vocabulary building. Upon completion, students should be able to prepare accurate and usable transcripts of voice recordings in the covered specialties.

OST 243	**Medical Office Simulation**	2	2	0	3

Prerequisite: OST 131 and OST 148
Corequisite:
This course introduces medical systems used to process information in the automated office. Topics include traditional and electronic information resources, storing and retrieving information, and the billing cycle. Upon completion, students should be able to use the computer accurately to schedule, bill, update, and make corrections.

OST 289	**Office Systems Management**	2	2	0	3

Prerequisite: OST 164 and OST 134 or OST 136
Corequisite:
This course provides a capstone course for the office professional. Topics include administrative office procedures, imaging, communication techniques, ergonomics, and equipment utilization. Upon completion, students should be able to function proficiently in a changing office environment.

PED 110	**Fit and Well for Life**	1	2	0	2

Prerequisite:
Corequisite:
This course is designed to investigate and apply the basic concepts and principles of lifetime physical fitness and other health-related factors. Emphasis is placed on wellness through the study of nutrition, weight control, stress management, and consumer facts on exercise and fitness. Upon completion, students should be able to plan a personal, lifelong fitness program based on individual needs, abilities, and interests. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 111	**Physical Fitness I**	0	3	0	1

Prerequisite:
Corequisite:
This course provides an individualized approach to physical fitness utilizing the five major components. Emphasis is placed on the scientific basis for setting up and engaging in personalized physical fitness programs. Upon completion, students should be able to set up and implement an individualized physical fitness program. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
PED 113	**Aerobics I**	**0**	**3**	**0**	**1**

Prerequisite:
Corequisite:
This course introduces a program of cardiovascular fitness involving continuous, rhythmic exercise. Emphasis is placed on developing cardiovascular efficiency, strength, and flexibility and on safety precautions. Upon completion, students should be able to select and implement a rhythmic aerobic exercise program. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 114	**Aerobics II**	**0**	**3**	**0**	**1**

Prerequisite: PED 113
Corequisite:
This course provides a continuation of a program of cardiovascular fitness involving rhythmic exercise. Emphasis is placed on a wide variety of aerobic activities which include cardiovascular efficiency, strength, and flexibility. Upon completion, students should be able to participate in and design a rhythmic aerobic exercise routine. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 119	**Circuit Training**	**0**	**3**	**0**	**1**

Prerequisite:
Corequisite:
This course covers the skills necessary to participate in a developmental fitness program. Emphasis is placed on the circuit training method which involves a series of conditioning timed stations arranged for maximum benefit and variety. Upon completion, students should be able to understand and appreciate the role of circuit training as a means to develop fitness. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 120	**Walking for Fitness**	**0**	**3**	**0**	**1**

Prerequisite:
Corequisite:
This course introduces fitness through walking. Emphasis is placed on stretching, conditioning exercises, proper clothing, fluid needs, and injury prevention. Upon completion, students should be able to participate in a recreational walking program. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 122	**Yoga I**	**0**	**2**	**0**	**1**

Prerequisite:
Corequisite:
This course introduces the basic discipline of yoga. Topics include proper breathing, relaxation techniques, and correct body positions. Upon completion, students should be able to demonstrate the procedures of yoga. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 125	**Self-Defense-Beginning**	**0**	**2**	**0**	**1**

Prerequisite:
Corequisite:
This course is designed to aid students in developing rudimentary skills in self-defense. Emphasis is placed on stances, blocks, punches, and kicks as well as non-physical means of self-defense. Upon completion, students should be able to demonstrate basic self-defense techniques of a physical and non-physical nature. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
PED 126	**Self-Defense-Intermediate**	**0**	**2**	**0**	**1**

Prerequisite: PED 125
Corequisite:
This course is designed to aid students in building on the techniques and skills developed in PED 125. Emphasis is placed on the appropriate psychological and physiological responses to various encounters. Upon completion, students should be able to demonstrate intermediate skills in self-defense stances, blocks, punches, and kick combinations. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 142	**Lifetime Sports**	**0**	**2**	**0**	**1**

Prerequisite:
Corequisite:
This course is designed to give an overview of a variety of sports activities. Emphasis is placed on the skills and rules necessary to participate in a variety of lifetime sports. Upon completion, students should be able to demonstrate an awareness of the importance of participating in lifetime sports activities. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 152	**Swimming-Beginning**	**0**	**2**	**0**	**1**

Prerequisite:
Corequisite:
This course is designed for non-swimmers and beginners. Emphasis is placed on developing confidence in the water, learning water safety, acquiring skills in floating, and learning elementary strokes. Upon completion, students should be able to demonstrate safety skills and be able to tread water, back float, and use the crawl stroke for 20 yards. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 153	**Swimming-Intermediate**	**0**	**2**	**0**	**1**

Prerequisite: PED 152
Corequisite:
This course is designed for those who have mastered basic swimming skills. Emphasis is placed on refining basic skills and learning new swim strokes. Upon completion, students should be able to demonstrate the four basic strokes, the scissors kick, the underwater swim, and other related skills. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 155	**Water Aerobics**	**0**	**3**	**0**	**1**

Prerequisite:
Corequisite:
This course introduces rhythmic aerobic activities performed in water. Emphasis is placed on increasing cardiovascular fitness levels, muscular strength, muscular endurance, and flexibility. Upon completion, students should be able to participate in an individually-paced exercise program. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 173	**Rock Climbing**	**0**	**2**	**0**	**1**

Prerequisite:
Corequisite:
This course teaches the fundamental skills and safety of rock climbing. Topics include rock climbing, bouldering, rappelling, the correct method of belaying for climbing and rappelling, and knowledge of equipment. Upon completion, students should be able to demonstrate strong and skillful techniques in climbing and rappelling. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
PED 177	**Ice Skating**	**0**	**2**	**0.**	**1**

Prerequisite:
Corequisite:
This course introduces the fundamentals of ice skating. Emphasis is placed on basic positioning, balance, and form on ice. Upon completion, students should be able to demonstrate skills necessary for recreational ice skating. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 181	**Snow Skiing-Beginning**	**0**	**2**	**0**	**1**

Prerequisite:
Corequisite:
This course introduces the fundamentals of snow skiing. Topics include basic techniques, safety, and equipment involved in snow skiing. Upon completion, students should be able to ski a down slope, enter and exit a ski lift, and perform basic maneuvers on skis. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 182	**Snow Skiing Intermediate**	**0**	**2**	**0**	**1**

Prerequisite: PED 181
Corequisite:
This course is designed to further develop snow skiing skills. Topics include selection and care of equipment, parallel skiing and turns, christies, advanced jumps, trail skiing, and slalom racing. Upon completion, students should be able to ski on varying terrains and snow conditions with control and safety. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PED 211	**New Games**	**0**	**2**	**0**	**1**

Prerequisite:
Corequisite:
This course includes explanation, demonstration, and participation in games that provide an alternative to traditional sports. Emphasis is placed on playing for pleasure rather than for competitive purposes. Upon completion, students should be able to participate and lead others in participating in non-competitive games. This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PHI 210	**History of Philosophy**	**3**	**0**	**0**	**3**

Prerequisite: ENG 111
Corequisite:
This course introduces fundamental philosophical issues through an historical perspective. Emphasis is placed on such figures as Plato, Aristotle, Lao-Tzu, Confucius, Augustine, Aquinas, Descartes, Locke, Kant, Wollstonecraft, Nietzsche, and Sartre. Upon completion, students should be able to identify and distinguish among the key positions of the philosophers studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

PHI 215	**Philosophical Issues**	**3**	**0**	**0**	**3**

Prerequisite: ENG 111
Corequisite:
This course introduces fundamental issues in philosophy considering the views of classical and contemporary philosophers. Emphasis is placed on knowledge and belief, appearance and reality, determinism and free will, faith and reason, and justice and inequality. Upon completion, students should be able to identify, analyze, and critique the philosophical components of an issue. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

		Class	Lab	Clin.	Credit
PHI 240	**Introduction to Ethics**	**3**	**0**	**0**	**3**

Prerequisite: ENG 111
Corequisite:
This course introduces theories about the nature and foundations of moral judgments and applications to contemporary moral issues. Emphasis is placed on utilitarianism, rule-based ethics, existentialism, relativism versus objectivism, and egoism. Upon completion, students should be able to apply various ethical theories to individual moral issues such as euthanasia, abortion, crime and punishment, and justice. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

PHY 151	**College Physics I**	**3**	**2**	**0**	**4**

Prerequisite: MAT 161 or MAT 171
Corequisite:
This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vectors, linear kinematics and dynamics, energy, power, momentum, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

PHY 152	**College Physics II**	**3**	**2**	**0**	**4**

Prerequisite: PHY 151
Corequisite:
This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

PHY 251	**General Physics I**	**3**	**3**	**0**	**4**

Prerequisite: MAT 271
Corequisite: MAT 272
This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vector operations, linear kinematics and dynamics, energy, power, momentum, rotational mechanics, periodic motion, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

PHY 252	**General Physics II**	**3**	**3**	**0**	**4**

Prerequisite: MAT 272 or PHY 251
Corequisite:
This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

		Class	Lab	Clin.	Credit
PLU 110	**Modern Plumbing**	**4**	**15**	**0**	**9**

Prerequisite:
Corequisite:
This course introduces the tools, equipment, and materials associated with the plumbing industry. Topics include safety, use and care of tools, recognition and assembly of fittings and pipes, and other related topics. Upon completion, students should be able to safely assemble various pipes and fittings in accordance with state code requirements.

PLU 120	**Plumbing Applications**	**4**	**15**	**0**	**9**

Prerequisite:
Corequisite:
This course covers general plumbing layout, fixtures, and water heaters. Topics include drainage, waste and vent pipes, water service and distribution, fixture installation, water heaters, and other related topics. Upon completion, students should be able to safely install common fixtures and systems in compliance with state and local building codes.

PLU 130	**Plumbing Systems**	**3**	**9**	**0**	**6**

Prerequisite:
Corequisite:
This course covers the maintenance and repair of plumbing lines and fixtures. Emphasis is placed on identifying and diagnosing problems related to water, drain and vent lines, water heaters, and plumbing fixtures. Upon completion, students should be able to identify and diagnose needed repairs to the plumbing system.

PLU 140	**Intro to Plumbing Codes**	**1**	**2**	**0**	**2**

Prerequisite:
Corequisite:
This course covers plumbing industry codes and regulations. Emphasis is placed on North Carolina regulations and the minimum requirements for plumbing materials and design. Upon completion, students should be able to research and interpret North Carolina plumbing codes.

PLU 150	**Plumbing Diagrams**	**1**	**2**	**0**	**2**

Prerequisite:
Corequisite:
This course introduces sketching diagrams and interpretation of blueprints applicable to the plumbing trades. Emphasis is placed on plumbing plans for domestic and/or commercial buildings. Upon completion, students should be able to sketch plumbing diagrams applicable to the plumbing trades.

PLU 160	**Plumbing Estimates**	**1**	**2**	**0**	**2**

Prerequisite:
Corequisite:
This course covers techniques for estimating quantities of materials and cost of installation for various types of plumbing systems. Topics include design of systems, codes, material take-offs, pricing, and public relations. Upon completion, students should be able to order materials needed for installation from a designed system.

PLU 211	**Commercial/Industrial Plumbing**	**2**	**2**	**0**	**3**

Prerequisite:
Corequisite:
This course covers the installation of various commercial and industrial piping. Topics include piping in steam, gas, air, fire sprinklers, and other related topics. Upon completion, students should be able to select and install various piping systems for a variety of applications.

		Class	Lab	Clin.	Credit
POL 110	**Intro Political Science**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces basic political concepts used by governments and addresses a wide range of political issues. Topics include political theory, ideologies, legitimacy, and sovereignty in democratic and non-democratic systems. Upon completion, students should be able to discuss a variety of issues inherent in all political systems and draw logical conclusions in evaluating these systems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

POL 120	**American Government**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course is a study of the origins, development, structure, and functions of American national government. Topics include the constitutional framework, federalism, the three branches of government including the bureaucracy, civil rights and liberties, political participation and behavior, and policy formation. Upon completion, students should be able to demonstrate an understanding of the basic concepts and participatory processes of the American political system. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

POL 130	**State & Local Government**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course includes state and local political institutions and practices in the context of American federalism. Emphasis is placed on procedural and policy differences as well as political issues in state, regional, and local governments of North Carolina. Upon completion, students should be able to identify and discuss various problems associated with intergovernmental politics and their effect on the community and the individual. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

POL 210	**Comparative Government**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course provides a cross-national perspective on the government and politics of contemporary nations such as Great Britain, France, Germany, and Russia. Topics include each country's historical uniqueness, key institutions, attitudes and ideologies, patterns of interaction, and current political problems. Upon completion, students should be able to identify and compare various nations' governmental structures, processes, ideologies, and capacity to resolve major problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

PSY 101	**Applied Psychology**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces the basic principles of psychology as they apply to daily life. Topics include perception, emotions, motivation, adjustment, behavior management, communication, and related topics that promote growth and development on the job and in one's personal life. Upon completion, students should be able to apply the principles learned in this class to everyday living. *This course is intended for certificate and diploma programs.*

		Class	Lab	Clin.	Credit
PSY 110	**Life Span Development**	**3**	**0**	**0**	**3**

Prerequisite:
Corequisite:
This course provides an introduction to the study of human growth and development. Emphasis is placed on the physical, cognitive, and psychosocial aspects of development from conception to death. Upon completion, students should be able to demonstrate knowledge of development across the life span and apply this knowledge to their specific field of study.

PSY 115	**Stress Management**	**2**	**0**	**0**	**2**

Prerequisite:
Corequisite:
This course covers stressors and techniques for stress management. Topics include anger, assertiveness, adaptation to change, conflict, coping skills, identification of stressors, time management, and the physiology of stress and burnout. Upon completion, students should be able to demonstrate an understanding of the effective management of stress.

PSY 131	**Psychology of Dreams**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers the physiology of sleeping and dreaming and the major psychological approaches to the interpretation of dreams. Topics include historical and cultural perspectives on dreams, sleep disorders, and an examination of traditional and contemporary approaches to dreams and their meaning. Upon completion, students should be able to demonstrate a basic understanding of the psychological implications of sleeping and dreaming.

PSY 141	**Psychology of Death and Dying**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course presents psychological perspectives on death and dying. Topics include the culturally diverse aspects of death and the grieving process, adjustment mechanisms, interventions, and the psychological and ethical dimensions of death and dying. Upon completion, students should be able to demonstrate an understanding of the psychosocial aspects of death and dying.

PSY 150	**General Psychology**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course provides an overview of the scientific study of human behavior. Topics include history, methodology, biopsychology, sensation, perception, learning, motivation, cognition, abnormal behavior, personality theory, social psychology, and other relevant topics. Upon completion, students should be able to demonstrate a basic knowledge of the science of psychology. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

PSY 183	**Psychology of Addiction**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course covers historical and theoretical perspectives on addictive behavior and the genetic, familial, and sociocultural influences on addiction. Topics include addictions to eating, gambling, alcohol, drugs, relationships, work, and sex. Upon completion, students should be able to demonstrate a knowledge of the theories of addiction and the factors underlying addictive behaviors.

		Class	Lab	Clin.	Credit
PSY 211	**Psychology of Adjustment**	3	0	0	3

Prerequisite: PSY 150
Corequisite:
This course introduces the study of the adjustment process focusing on contemporary challenges individuals must deal with in everyday life. Topics include theories of behavior, career choices, self-understanding, coping mechanisms, human relationships, intimacy, sociocultural factors influencing healthy personal adjustment, and other related topics. Upon completion, students should be able to demonstrate an awareness of the processes of adjustment. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PSY 237	**Social Psychology**	3	0	0	3

Prerequisite: PSY 150 or SOC 210
Corequisite:
This course introduces the study of individual behavior within social contexts. Topics include affiliation, attitude formation and change, conformity, altruism, aggression, attribution, interpersonal attraction, and group behavior. Upon completion, students should be able to demonstrate an understanding of the basic principles of social influences on behavior. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

PSY 239	**Psychology of Personality**	3	0	0	3

Prerequisite: PSY 150
Corequisite:
This course covers major personality theories and personality research methods. Topics include psychoanalytic, behavioristic, social learning, cognitive, humanistic, and trait theories including supporting research. Upon completion, students should be able to compare and contrast traditional and contemporary approaches to the understanding of individual differences in human behavior. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

PSY 241	**Developmental Psychology**	3	0	0	3

Prerequisite: PSY 150
Corequisite:
This course is a study of human growth and development. Emphasis is placed on major theories and perspectives as they relate to the physical, cognitive, and psychosocial aspects of development from conception to death. Upon completion, students should be able to demonstrate knowledge of development across the life span. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

PSY 243	**Child Psychology**	3	0	0	3

Prerequisite: PSY 150
Corequisite:
This course provides an overview of physical, cognitive, and psychosocial development from conception through adolescence. Topics include theories and research, interaction of biological and environmental factors, language development, learning and cognitive processes, social relations, and moral development. Upon completion, students should be able to identify typical and atypical childhood behavior patterns as well as appropriate strategies for interacting with children. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
PSY 246	**Adolescent Psychology**	**3**	**0**	**0**	**3**

Prerequisite: PSY 150
Corequisite:
This course provides an overview of the behavior patterns, life changes, and social issues that accompany the developmental stage of adolescence. Topics include developmental theories; physical, cognitive and psychosocial growth; transitions to young adulthood; and sociocultural factors that influence adolescent roles in home, school and community. Upon completion, students should be able to identify typical and atypical adolescent behavior patterns as well as appropriate strategies for interacting with adolescents. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PSY 247	**Psychology of Adulthood**	**3**	**0**	**0**	**3**

Prerequisite: PSY 150
Corequisite:
This course examines the major theories and patterns of adult development from young adulthood to late adulthood. Topics include physical, cognitive, and psychosocial changes with an emphasis on relationships, family patterns, work roles, community interactions, and the challenges of each stage of adulthood. Upon completion, students should be able to demonstrate a knowledge of adult development and an ability to apply this knowledge to their own lives. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PSY 259	**Human Sexuality**	**3**	**0**	**0**	**3**

Prerequisite: PSY 150
Corequisite:
This course provides the biological, psychological, and sociocultural aspects of human sexuality and related research. Topics include reproductive biology, sexual and psychosexual development, sexual orientation, contraception, sexually transmitted diseases, sexual disorders, theories of sexuality, and related issues. Upon completion, students should be able to demonstrate an overall knowledge and understanding of human sexuality. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

PSY 281	**Abnormal Psychology**	**3**	**0**	**0**	**3**

Prerequisite: PSY 150
Corequisite:
This course provides an examination of the various psychological disorders, as well as theoretical, clinical, and experimental perspectives of the study of psychopathology. Emphasis is placed on terminology, classification, etiology, assessment, and treatment of the major disorders. Upon completion, students should be able to distinguish between normal and abnormal behavior patterns as well as demonstrate knowledge of etiology, symptoms, and therapeutic techniques. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

RED 070	**Essential Reading Skills**	**3**	**2**	**0**	**4**

Prerequisite:
Corequisite:
This course is designed to strengthen reading skills. Emphasis is placed on basic word attack skills, vocabulary, transitional words, paragraph organization, basic comprehension skills, and learning strategies. Upon completion, students should be able to demonstrate competence in the skills required for RED 080. This course does not satisfy the developmental reading and writing prerequisite for ENG 111 or ENG 111A.

		Class	Lab	Clin.	Credit
RED 080	**Introduction to College Reading**	**3**	**2**	**0**	**4**

Prerequisite: RED 070
Corequisite:
This course introduces effective reading and inferential thinking skills in preparation for RED 090. Emphasis is placed on vocabulary, comprehension, and reading strategies. Upon completion, students should be able to determine main ideas and supporting details, recognize basic patterns of organization, draw conclusions, and understand vocabulary in context. *This course does not satisfy the developmental reading prerequisite for ENG 111.*

RED 090	**Improved College Reading**	**3**	**2**	**0**	**4**

Prerequisite: RED 080
Corequisite:
This course is designed to improve reading and critical thinking skills. Topics include vocabulary enhancement; extracting implied meaning; analyzing author's purpose, tone, and style; and drawing conclusions and responding to written material. Upon completion, students should be able to comprehend and analyze college-level reading material. *This course satisfies the developmental reading prerequisite for ENG 111.*

RED 111	**Critical Reading for College**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course is designed to enhance critical reading skills. Topics include vocabulary enrichment, reading flexibility, metacognitive strategies, and advanced comprehension skills, including analysis and evaluation. Upon completion, students should be able to demonstrate comprehension and analysis and respond effectively to material across disciplines.

REL 110	**World Religions**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces the world's major religious traditions. Topics include Primal religions, Hinduism, Buddhism, Islam, Judaism, and Christianity. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

REL 111	**Eastern Religions**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces the major Asian religious traditions. Topics include Hinduism, Buddhism, Taoism, Confucianism, and Shinto. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

REL 112	**Western Religions**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces the major western religious traditions. Topics include Zoroastrianism, Islam, Judaism, and Christianity. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

		Class	Lab	Clin.	Credit
REL 211	**Intro to Old Testament**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course is a survey of the literature of the Hebrews with readings from the law, prophets, and other writings. Emphasis is placed on the use of literary, historical, archeological, and cultural analysis. Upon completion, students should be able to use the tools of critical analysis to read and understand Old Testament literature. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

REL 212	**Introduction to New Testament**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course is a survey of the literature of first-century Christianity with readings from the gospels, Acts, and the Pauline and pastoral letters. Topics include the literary structure, audience, and religious perspective of the writings, as well as the historical and cultural context of the early Christian community. Upon completion, students should be able to use the tools of critical analysis to read and understand New Testament literature. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

REL 221	**Religion in America**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course is an examination of religious beliefs and practice in the United States. Emphasis is placed on mainstream religious traditions and non-traditional religious movements from the Colonial period to the present. Upon completion, students should be able to recognize and appreciate the diversity of religious traditions in America. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

SOC 105	**Social Relationships**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course is designed to study social relations and human behavior in all aspects of society. Emphasis is placed on the individual in the family, educational setting, and workplace. Upon completion, students should be able to apply knowledge about human behavior to improve interpersonal and job effectiveness. *This course is intended for certificate and diploma programs.*

SOC 210	**Introduction to Sociology**	**3**	**0**	**0**	**3**

Prerequisite: RED 090
Corequisite:
This course introduces the scientific study of human society, culture, and social interactions. Topics include socialization, research methods, diversity and inequality, cooperation and conflict, social change, social institutions, and organizations. Upon completion, students should be able to demonstrate knowledge of sociological concepts as they apply to the interplay among individuals, groups, and societies. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

		Class	Lab	Clin.	Credit
SOC 213	**Sociology of the Family**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course covers the institution of the family and other intimate relationships. Emphasis is placed on mate selection, gender roles, sexuality, communication, power and conflict, parenthood, diverse lifestyles, divorce and remarriage, and economic issues. Upon completion, students should be able to analyze the family as a social institution and the social forces which influence its development and change. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

SOC 220	**Social Problems**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course provides an in-depth study of current social problems. Emphasis is placed on causes, consequences, and possible solutions to problems associated with families, schools, workplaces, communities, and the environment. Upon completion, students should be able to recognize, define, analyze, and propose solutions to these problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

SOC 225	**Social Diversity**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course provides a comparison of diverse roles, interests, opportunities, contributions, and experiences in social life. Topics include race, ethnicity, gender, sexual orientation, class, and religion. Upon completion, students should be able to analyze how cultural and ethnic differences evolve and how they affect personality development, values, and tolerance. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences.*

SOC 230	**Race and Ethnic Relations**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course includes an examination of the various aspects of race and ethnicity and how these lead to different experiences, opportunities, problems, and contributions. Topics include prejudice, discrimination, perceptions, myths, stereotypes, and intergroup relationships. Upon completion, students should be able to identify and analyze relationships among racial and ethnic groups within the larger society. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

SOC 234	**Sociology of Gender**	3	0	0	3

Prerequisite: RED 090
Corequisite:
This course examines contemporary roles in society with special emphasis on recent changes. Topics include sex role socialization, myths and stereotypes, gender issues related to family, work, and power. Upon completion, students should be able to analyze modern relationships between men and women. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

SOC 242 Sociology of Deviance 3 0 0 3
Prerequisite: RED 090
Corequisite:
This course provides an overview of deviant behavior and the processes involved in its definition, causation, prevention, control, and treatment. Topics include theories of causation, social control, delinquency, victimization, criminality, the criminal justice system, punishment, rehabilitation, and restitution. Upon completion, students should be able to identify and analyze issues surrounding the nature and development of social responses to deviance. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

SOC 250 Sociology of Religion 3 0 0 3
Prerequisite: RED 090
Corequisite:
This course examines religion from a sociological perspective as part and product of human society. Topics include the origins, development, and functions of belief systems; religious organizations; conversion; and interactions with politics, the economy, science, and the class system. Upon completion, students should be able to describe and analyze religious systems. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

SPA 111 Elementary Spanish I 3 0 0 3
Prerequisite:
Corequisite:
This course introduces the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Spanish and demonstrate cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

SPA 112 Elementary Spanish II 3 0 0 3
Prerequisite: SPA 111
Corequisite:
This course is a continuation of SPA 111 focusing on the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate further cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

SPA 141 Culture and Civilization 3 0 0 3
Prerequisite:
Corequisite:
This course provides an opportunity to explore issues related to the Hispanic world. Topics include historical and current events, geography, and customs. Upon completion, students should be able to identify and discuss selected topics and cultural differences related to the Hispanic world. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

		Class	Lab	Clin.	Credit
SPA 211	**Intermediate Spanish I**	3	0	0	3

Prerequisite: SPA 112
Corequisite:
This course provides a review and expansion of the essential skills of the Spanish language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

SPA 212	**Intermediate Spanish II**	3	0	0	3

Prerequisite: SPA 211
Corequisite:
This course provides a continuation of SPA 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

WLD 110	**Cutting Processes**	1	3	0	2

Prerequisite:
Corequisite:
This course introduces oxy-fuel and plasma-arc cutting systems. Topics include safety, proper equipment setup, and operation of oxy-fuel and plasma-arc cutting equipment with emphasis on straight line, curve and bevel cutting. Upon completion, students should be able to oxy-fuel and plasma-arc cut metals of varying thickness.

WLD 112	**Basic Welding Processes**	1	3	0	2

Prerequisite:
Corequisite:
This course introduces basic welding and cutting. Emphasis is placed on beads applied with gases, mild steel fillers, and electrodes and the capillary action of solder. Upon completion, students should be able to set up welding and oxy-fuel equipment and perform welding, brazing, and soldering processes.

WLD 115	**SMAW (Stick) Plate**	2	9	0	5

Prerequisite:
Corequisite:
This course introduces the shielded metal arc (stick) welding process. Emphasis is placed on padding, fillet, and groove welds in various positions with SMAW electrodes. Upon completion, students should be able to perform SMAW fillet and groove welds on carbon plate with prescribed electrodes.

WLD 116	**SMAW (Stick) Plate/Pipe**	1	9	0	4

Prerequisite: WLD 115
Corequisite:
This course is designed to enhance skills with the shielded metal arc (stick) welding process. Emphasis is placed on advancing manipulative skills with SMAW electrodes on varying joint geometry. Upon completion, students should be able to perform groove welds on carbon steel with prescribed electrodes in the flat, horizontal, vertical, and overhead positions.

		Class	Lab	Clin.	Credit
WLD 121	**GMAW (MIG) FCAW/Plate**	**2**	**6**	**0**	**4**

Prerequisite:
Corequisite:
This course introduces metal arc welding and flux core arc welding processes. Topics include equipment setup and fillet and groove welds with emphasis on application of GMAW and FCAW electrodes on carbon steel plate. Upon completion, students should be able to perform fillet welds on carbon steel with prescribed electrodes in the flat, horizontal, and overhead positions.

WLD 122	**GMAW (MIG) Plate/Pipe**	**1**	**6**	**0**	**3**

Prerequisite: WLD 121
Corequisite:
This course is designed to enhance skills with the gas metal arc (MIG) welding process. Emphasis is placed on advancing skills with the GMAW process making groove welds on carbon steel plate and pipe in various positions. Upon completion, students should be able to perform groove welds with prescribed electrodes on various joint geometry.

WLD 131	**GTAW (TIG) Plate**	**2**	**6**	**0**	**4**

Prerequisite:
Corequisite:
This course introduces the gas tungsten arc (TIG) welding process. Topics include correct selection of tungsten, polarity, gas, and proper filler rod with emphasis placed on safety, equipment setup, and welding techniques. Upon completion, students should be able to perform GTAW fillet and groove welds with various electrodes and filler materials.

WLD 141	**Symbols & Specifications**	**2**	**2**	**0**	**3**

Prerequisite:
Corequisite:
This course introduces the basic symbols and specifications used in welding. Emphasis is placed on interpretation of lines, notes, welding symbols, and specifications. Upon completion, students should be able to read and interpret symbols and specifications commonly used in welding.

WLD 143	**Welding Metallurgy**	**1**	**2**	**0**	**2**

Prerequisite:
Corequisite:
This course introduces the concepts of welding metallurgy. Emphasis is placed on basic metallurgy, effects of welding on various metals, and metal classification and identification. Upon completion, students should be able to understand basic metallurgy, materials designation, and classification systems used in welding.

WLD 151	**Fabrication I**	**2**	**6**	**0**	**4**

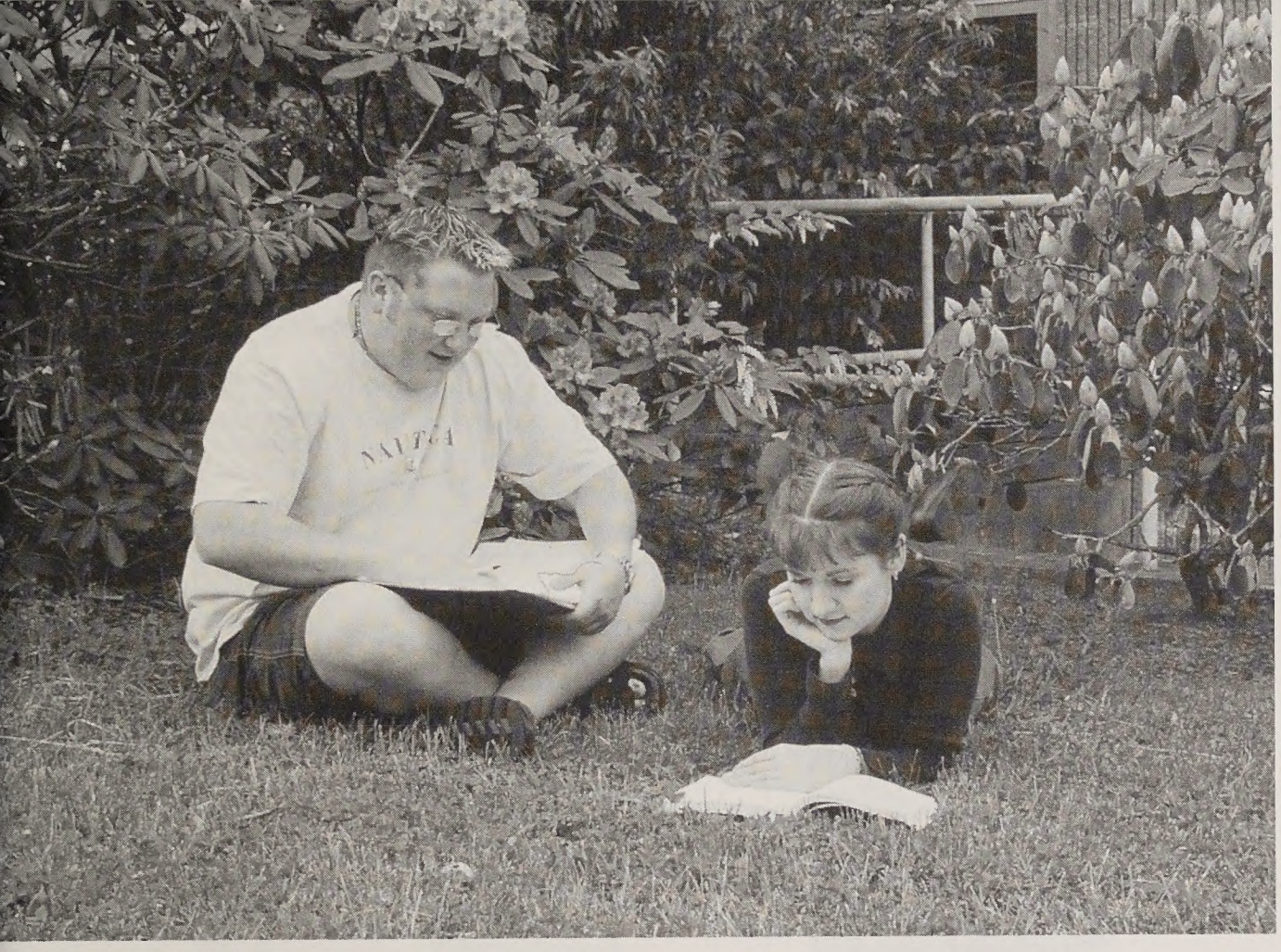
Prerequisite: WLD 110, WLD 115, WLD 116, and WLD 131
Corequisite:
This course introduces the basic principles of fabrication. Emphasis is placed on safety, measurement, layout techniques, and the use of fabrication tools and equipment. Upon completion, students should be able to perform layout activities and operate various fabrication and material handling equipment.

WLD 261	**Certification Practices**	**1**	**3**	**0**	**2**

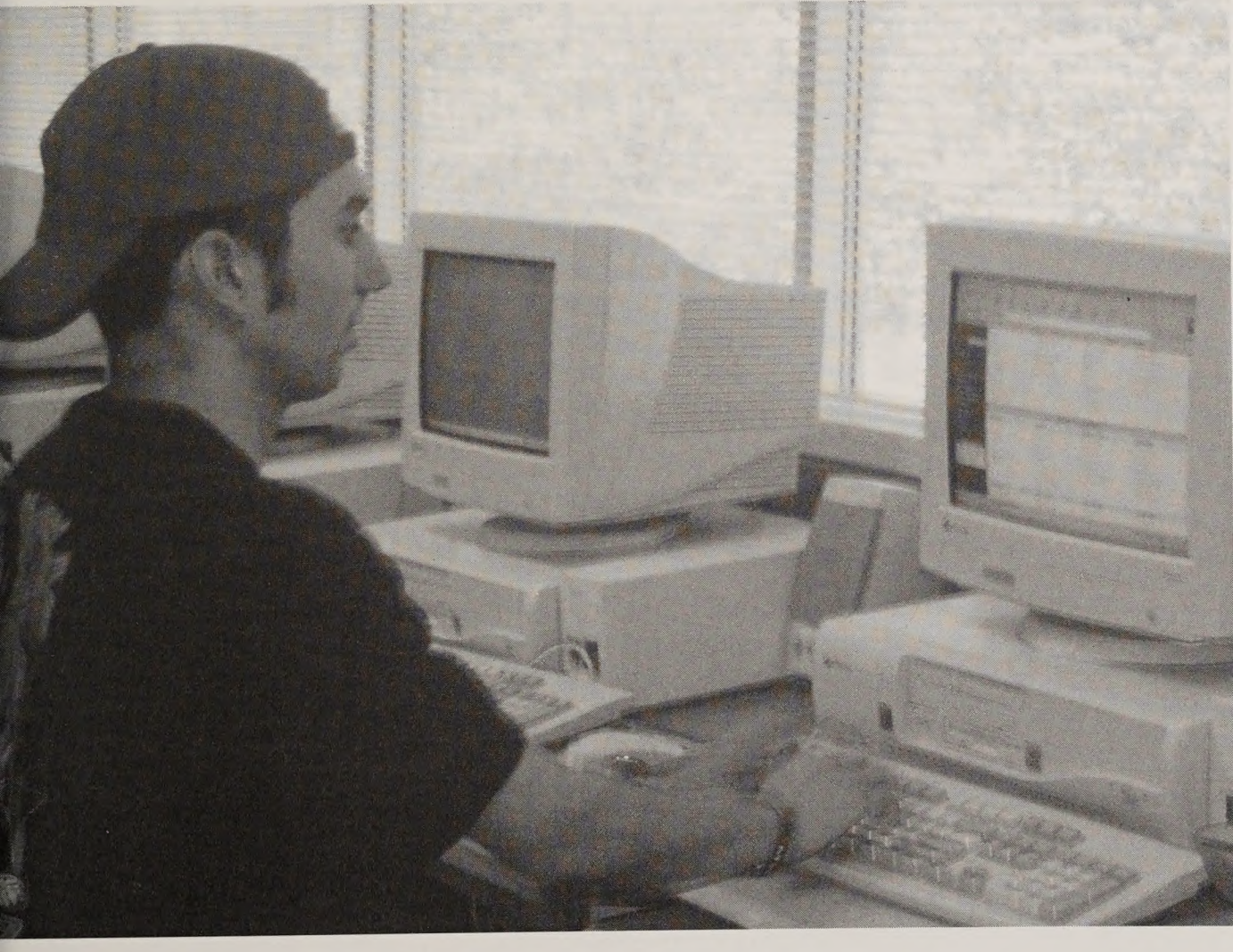
Prerequisite: WLD 115, WLD 121, and WLD 131
Corequisite:
This course covers certification requirements for industrial welding processes. Topics include techniques and certification requirements for prequalified joint geometry. Upon completion, students should be able to perform welds on carbon steel plate and/or pipe according to applicable codes.

Notes

Notes



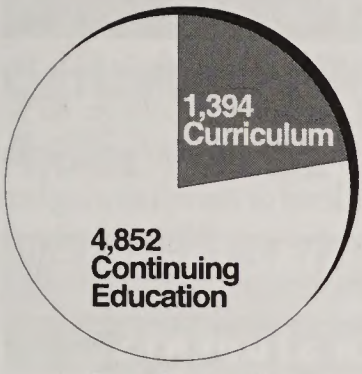
PERFORMANCE MEASURES



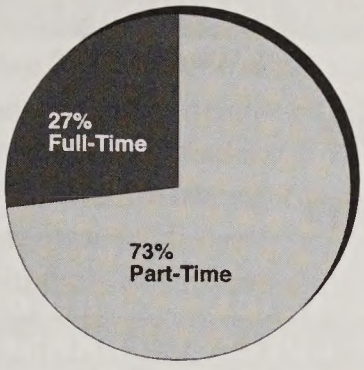
The photos separating our catalog sections were taken by members of the *ART 260 - Photography Appreciation* class of Spring, 2001 at Mayland.

TOP PHOTO by Jamie Yeater
BOTTOM PHOTO by Jessica Thomas

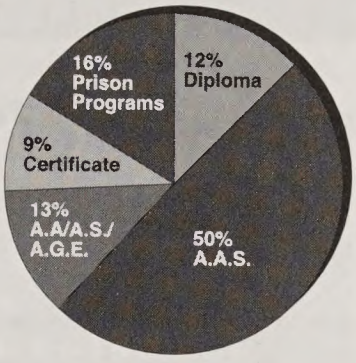
MCC FACTS-AT-A-GLANCE



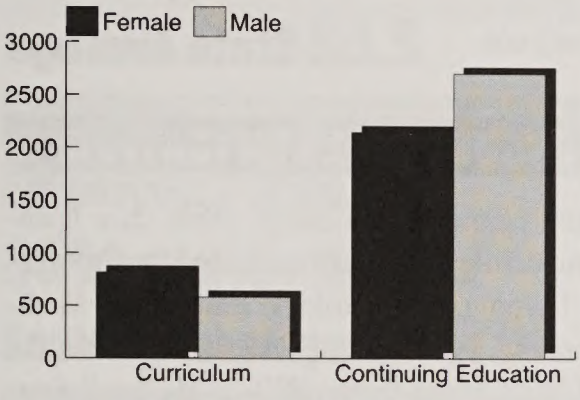
Enrollment



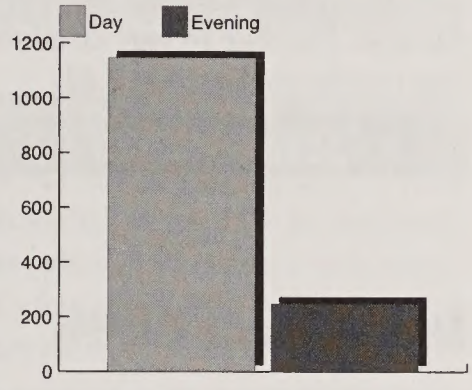
Attendance



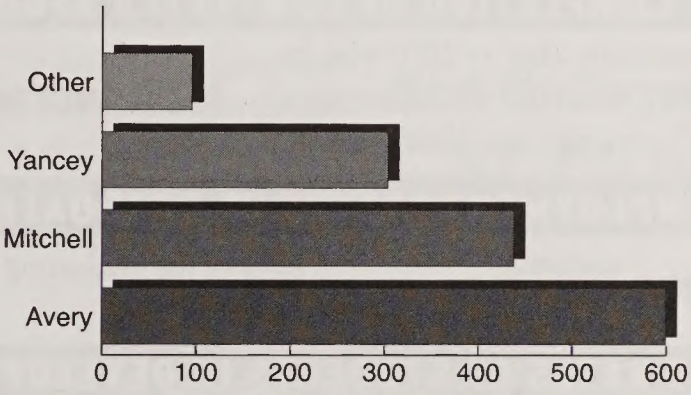
By Degree



Enrollment By Sex



Enrollment By Time of Attendance



Enrollment By County

Mayland Community College Mandated Performance Measures

The North Carolina Community College System has developed accountability measures and performance standards to be used to measure the effectiveness of the fifty-nine System colleges. These graphs and charts will give you information on those performance measures and how Mayland is doing.

(continued on next page)

Mandated Performance Measures

PROGRESS OF BASIC SKILLS STUDENTS

MCC Average 87%

78% State Average

In 1998-99, **149** individuals earned their G.E.D. diplomas at Mayland Community College. **87%** of Basic Skills students completed their goal, progressed within the same level or moved to a higher level. **The state average was 78%.** Mayland served 1,152 individuals through Basic Skills.

PROGRESS OF COLLEGE TRANSFER STUDENTS

The GPAs of 11 Mayland Community College students who transferred to a University of North Carolina System school in 1998-99 was **2.89** on a 4.0 scale. The state average for all community college transfer students was **2.62.**

MCC Average 2.89

2.62 State Average

PASSING RATES FOR LICENSURE & CERTIFICATION

MCC Average 80%

Mayland Community College offers state licensure and certification exams in Basic Law Enforcement Training, Cosmetology, Emergency Medical Training, Nursing and Real Estate. From the *2000 Critical Success Factors*, **80%** of Mayland's first-time test takers passed their respective state exams.

GOAL COMPLETION OF COMPLETER STUDENTS

100% of the graduating class of 2000 who responded to a survey stated that they either completely or partially accomplished their goals.

MCC Average 100%

EMPLOYMENT STATUS OF GRADUATES

MCC Average 89%

89% of the graduating class of 1997-98 are employed.

PASSING RATES OF STUDENTS IN DEVELOPMENTAL

In Fall and Spring 1999-2000, **71%** of the students who took developmental courses passed, which is above the state goal of **70%.**

MCC Average 71%

70% State Average

Mandated Performance Measures

PROGRAM ENROLLMENT

Curriculum 1,394

4,852 Con. Ed.

In the 1999-2000 academic year, Mayland Community College served **1,394** unduplicated curriculum students and **4,852** unduplicated students in continuing education.

STUDENT SATISFACTION OF PROGRAM COMPLETERS AND NON-COMPLETERS

In 1999-2000, **96%** of the program completers surveyed were either very satisfied or satisfied with their experience at MCC, while **88%** of the students who did not complete their goals were either very satisfied or satisfied with Mayland.

Completers 96%

88% Non-Completers

EMPLOYMENT STATUS OF GRADUATES

Employed 75%

35% College Transfer

Seeking Employment 17%

Of the Mayland graduating class of 2000 responding to a survey, **75%** are employed, **35%** are planning to continue their education at a four-year college or university and **17%** are actively seeking employment.

BUSINESS/INDUSTRY SATISFACTION WITH SERVICES PROVIDED

100% of employees who took customized training through Mayland Community College indicated either complete or partial goal attainment. **83.5%** of the same employees indicated they were either "very satisfied" or "satisfied" with their training.

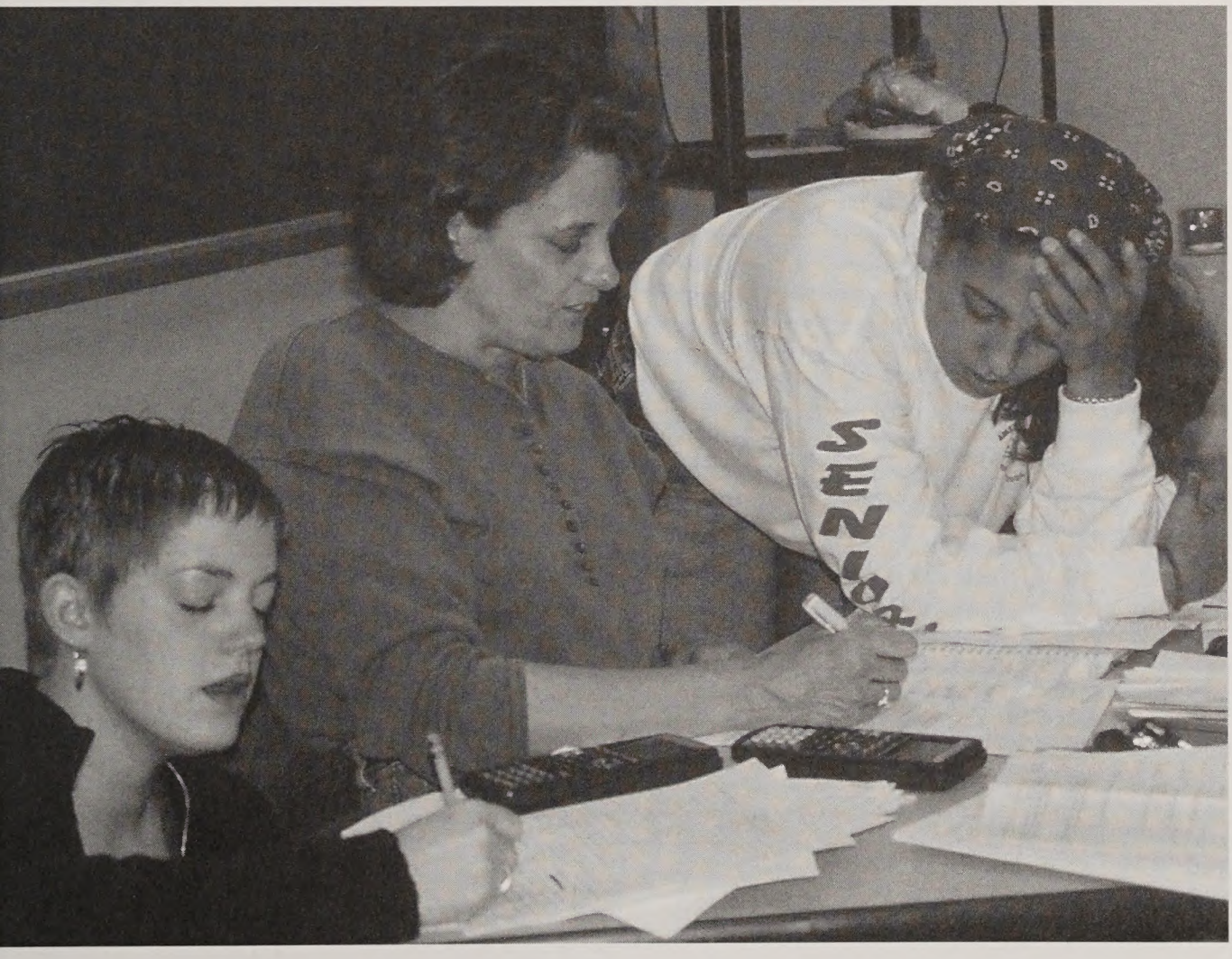
Goal Attainment 100%

83.5% Satisfaction

Information collected by the
Mayland Community College
Department of Institutional Advancement and Planning
John Gossett, Director

Notes

PERSONNEL



The photos separating our catalog sections were taken by members of the *ART 260 - Photography Appreciation* class of Spring, 2001 at Mayland.

TOP PHOTO by Alicia McMahan
BOTTOM PHOTO by Jamie Yeater

BOARD OF TRUSTEES

NAME	COUNTY
Charles Ronald Kates, *Chairman*	Yancey County
Sam L. Ray, Jr., *Vice-Chairman*	Avery County
William E. Arrowood	Mitchell County
James W. Burleson	Avery County
Phillip A. Byrd	Mitchell County
Jacquelyn H. Coffey	Avery County
Ralph J. Gwaltney	Avery County
J. Wayne Hall	Mitchell County
Phillip M. Hughes	Yancey County
Julia B. Norris	Yancey County
Jack L. Wilson, Jr.	Yancey County
Robert G. Young	Mitchell County
Robin Heimer	President, Student Government Association

BOARD OF DIRECTORS MAYLAND COMMUNITY COLLEGE FOUNDATION, INCORPORATED

The Mayland Community College Foundation is a group of citizens from the three-county area who work to raise funds and cultivate friends for the College. The results of their efforts are evident in special projects at the College, scholarships for students, and the construction of the Phillips-Gwaltney Child Development Center. The Board of Directors for the Foundation includes:

NAME	COUNTY
Scott Gillam, *President*	Yancey County
Dr. Iva Nell Buckner, *Vice-President*	Yancey County
William E. Arrowood	Mitchell County
Susan Ball	Yancey County
Mary Ballew	Mitchell County
Tom Bledsoe	Avery County
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Cathy Dobson	Mitchell County
Gary Hamrick	Mitchell County
Jerry Hatfield	Yancey County
Robert Lincks	Avery County
Jim Morton	Avery County
Julia B. Norris	Yancey County
Virginia Norris	Avery County
Dr. Suzanne Y. Owens	MCC Staff
Wanda Proffitt	Yancey County
Sam L. Ray, Jr.	Avery County
Fritz Schulte	Mitchell County
Edwina Sluder	Avery County
Jerri Storie	Yancey County
Marjorie C. Unrath	Avery County
Dr. Diane Walker	Mitchell County
Dr. Thomas E. Williams	MCC President

FACULTY AND STAFF

PRESIDENT'S OFFICE

Thomas Williams ..... President
B. S., University of North Carolina-Pembroke;
M.Ed., Ed. D., North Carolina State University

Richard W. Sullins ..... Director, Government & Community Services
B.S., Western Carolina University;
NC Leadership Program,
Additional Work at Western Carolina University

Anne W. Castro ..... Coordinator, Personnel Services
A.A.S., Mayland Community College;
B.S., Milligan College

Rosalie B. Silver. ..... Executive Assistant/Secretary, Board of Trustees
A.A., Lees-McRae College

Nikonya Carpenter ..... Annual Part-Time Secretary to the President

INSTRUCTIONAL SERVICES

Rick Garrett ..... Vice President, Instructional Services;
B.S., M.A. Ed., Western Carolina University;
Ed.D. North Carolina State University,
Community Development Facilitator Training, DACUM Facilitator Training, Community-Based Programming Institute, National Issues Forum and Public Policy Institute.

Clark Ratliffe ..... Education Director, Prison Programs, Instructional Services
B.S. , Gardner Webb College,
M.S., North Carolina A&T University

Barbara F. McCurry ..... Nursing Program Administrative Assistant
A.A.S., Mayland Community College

Debbie Stafford ..... Administrative Assistant, Instructional Services
A.A.S., Mayland Community College

PRISON PROGRAMS FACULTY

Gregory W. Barksdale ..... Faculty, Computer Information Systems Technology, Prison Programs
B.S., Western Carolina University; Additional work at Western Carolina University

Sonny O. Benfield ..... Annual Part-Time Faculty, Masonry Technology, Prison Programs
Additional work at Mayland Community College

Steve Botney ..... Faculty, Basic Skills Program , Prison Programs
A..S., Palm Beach Community College,
B.S., Mars Hill College

Rita Bradley ..... Annual Part-Time Faculty, Basic Skills Program , Prison Programs
A.A.S., Mayland Community College,
B.A., Appalachian State University

Robert G. Brown ..... Faculty, Heating & Air Conditioning Technology, Prison Programs
A.A..S., Mayland Community College;
Diploma, Asheville-Buncombe Technical Community College

Devon Buck ..... Faculty, Industrial Maintenance Technology, Prison Programs
A.A.S., Northeast State Technical Community College;
Additional work at East Tennessee State University

Sara E. Coffey ..... Annual Part-Time Faculty, Basic Skills Program , Prison Programs
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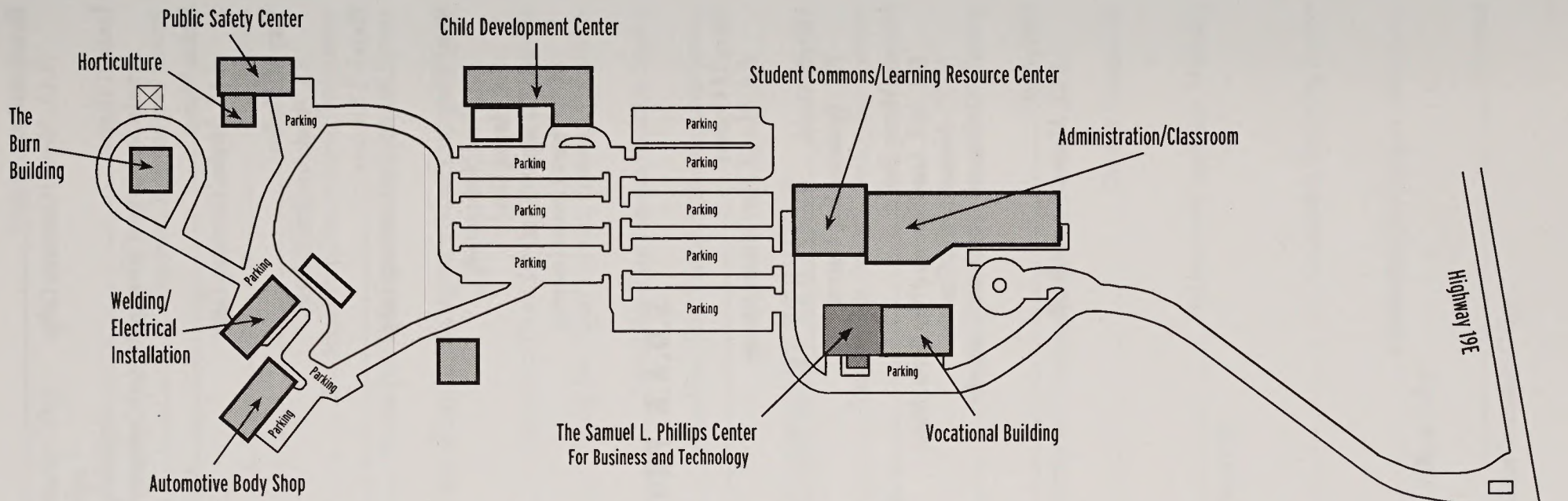

Mayland Community College Main Campus
Spruce Pine, NC

INDEX

Academic Forgiveness 54
Academic Honors 57
Academic Progress System 55
Academic Requirements 47
Academic Support 39
Academic Warning, Probation and Suspension 56
Accreditation 15
Admission Procedures 24
Admissions Advising 24
Affirmative Action/Equal Employment Opportunity Policy 8
Attendance 49
Auditing Courses 28
Basic Skills Programs 69
Basic Skills Services 70
Basic Law Enforcement Training (BLET) Admissions 25
Board of Trustees 265
Child Care 43
College Calendar 9
College/Workplace Anti-Violence Policy 16
Commencement Marshals 58
Communicable Disease Policy 42
Computer Use Policy 18
Continuing Education 63
- Admission 65
- Class Hours 66
- Class Locations 65
- Class Schedules 65
- Community Services/Lifelong Learning 68
- Continuing Education Units (CEUs) 66
- Fees 66
- Focused Industrial Training 67
- General Information 65
- Human Resources Development (HRD) 68
- Minimum Enrollment 66
- New and Expanding Industry Training 68
- Occupational Extension Courses 66
- Small Business Center (SBC) 68

Correspondence Directory 6
Counseling Center 38
Course Descriptions 173
Course Load 49
Course Substitutions 51
Credit for Experiential Learning 53
Credit for Military Training 53
Curriculum Course Repetition Process 51

(continued on next page)

Curriculum Laboratory 71
Curriculum Programs ..... .73
Accounting 76
Associate in General Education 82
Autobody Repair 84
Basic Law Enforcement Training 87
Business Administration 88
Carpentry 91
Associate in Cosmetology 93
Cosmetology Instructor Training 96
Esthetics Technology 97
Esthetics Technology Instructor Training 98
Manicuring Instructor Training 99
Criminal Justice Technology 100
Early Childhood Associate 102
Electrical/Electronics Technology 106
Electronics Engineering Technology 108
General Occupational Technology 114
Horticulture Technology 116
Industrial Maintenance 120
Information Systems 123
Masonry 129
Medical Office Administration 131
Associate Degree Nursing 134
Nursing Assistant 136
Office Systems Technology 137
Plumbing 143
Truck Driving Training 145
Welding Technology 146
Transfer Programs 151
Associate in Arts 152
Associate in Arts - Pre-Major, Birth to Kindergarten 156
Associate in Arts - Pre-Business Administration 159
Associate in Arts - Pre-Criminal Justice 162
Associate in Arts - Pre-Elementary Education 164
Associate in General Education - Business Administration
Concentration: Marketing and Retailing 168
Associate in General Education - Business Administration
Concentration: Operations Management 170
Associate in General Education - Forest Management Technology 172
Associate in General Education - Physical Therapy Assistant 174
Associate in Science 176
Degrees, Diplomas and Certificates 58
Distance Education: RAVEN System 62
Estimated Cost of Attendance 38
Evaluation of Progress for Financial Aid 57

Evening and Off-Campus Offerings 15
Expense Waivers 30
Facilities Use Policy 17
Facts-At-A-Glance 249
Faculty and Staff 263
Faculty Advising System 49
Family Educational Rights and Privacy Act (FERPA) 40
Fees 29
Financial Aid 31
  Application Procedures 32
  Types of Aid 33
  Tax Initiatives 34
  Resources 35
  Satisfactory Progress Standards for Financial Aid 36
Foreign Student Admissions 26
General Admission Requirements 23
General Information 13
Grade Interpretation 55
Grading System 53
Health Services and Emergency Procedures 41
High School Dual Enrollment 25
History/College Mission/Goals/Values 11
Honors 58
Housing 41
Inclement Weather Policy 49
Instructional Support Services 59
Insurance 29
Late Registration Fee 29
Learning Resources Center 61
Map 276
MCC Foundation Board of Directors 265
Non-Degree Seeking Students 26
Nursing Admissions 24
Office Hours 19
Other Expenses 30
Orientation (ACA 111) 38
Parking and Traffic Policies 17
Pell Scholarship Payment and Third-Party Charges 29
Peer Mentors 43
Performance Measures 253
Placement Testing 31
Possession of Firearms and Other Dangerous Weapons Policy 16
President's Message 3
Proficiency Examinations 53
Readmittance 28
Re-Establishing Financial Aid Benefits 57

Refunds 30
Registration 49
Release of Transcripts 52
Removal of Incompletes 51
Requirements for Graduation 58
Residency Status 31
SafePlace at Mayland 43
Schedule Changes 50
Sexual Harassment Policy 44
Special Admission Requirements 24
Sports 43
Student Conduct Policy 44
Student Development Services 21
Student Grievance Policy 45
Student Organizations and Activities 45
Student Records 40
Students with Disabilities 26
Tobacco-Free Campus Policy 15
Transcript Evaluation 52
Transfer of Credits to MCC 52
Transfer of Credits to Other Schools 52
Transferring to MCC 25
Tuition Fees and Expenses 29
Veterans' Benefits 35
Visitors 15
Withdrawal Procedures 50

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